



User's Manual



Video



## Features

- Extreme small
- Universal AC input / Full range
- 3 pole AC inlet IEC320-C14, Class I power unit
- No load power consumption < 0.075W
- **Energy efficiency Level VI**
- Comply with EISA 2007/DoE, EU ErP and meet CoC Version 5
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- Pass LPS
- 7.5V / 18V / 48V models available (by request)
- Various DC plug quick adapter accessory available  
(Plug kit sold separately, please refer to : [https://www.meanwell.com/upload/pdf/DC\\_plug.pdf](https://www.meanwell.com/upload/pdf/DC_plug.pdf))
- 3 years warranty

## Applications

- Consumer electronic devices
- Telecommunication devices
- Office facilities
- Industrial equipments

## GTIN CODE

MW Search: <https://www.meanwell.com/serviceGTIN.aspx>

## Description

SGAS15A is a 15W compact size highly reliable, desktop style single-output green adaptor series, which is compact and convenient for carry. This product is a class I power unit (with FG) equipped with the standard IEC320-C14 AC inlet and accepting the input range from 90VAC to 264VAC. The whole series provides different models with output voltages ranging between 5VDC and 24VDC that it can satisfy the demands for various types of consumer electronic devices. With the efficiency up to 86% and the extremely low no-load power consumption below 0.075W, SGAS15A is compliant with USA EISA 2007/DoE, EU ErP, and meet Code of Conduct (CoC) Version 5. The supreme feature allows the adaptor to save the energy when it is under either the operating mode or the standby mode. The entire series is approved for international safety regulations; moreover, it adopts the 94V-0 flame retardant plastic case that it can effectively prevent users from electric hazards.

## Model Encoding

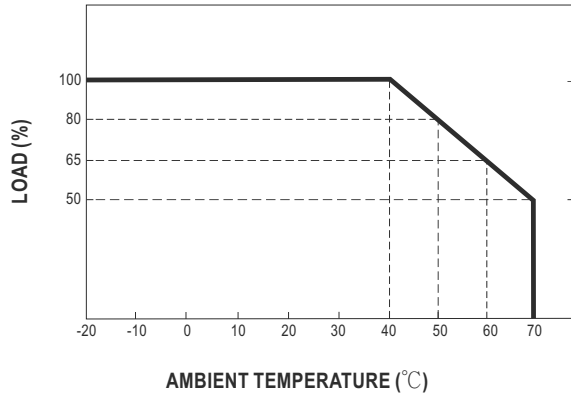
**SGAS 15 A 05 - P1J**

- DC plug type { P1J: Plug for standard model, 2.1  $\psi$   $\times$  5.5  $\psi$   $\times$  11mm, C+ tuning fork type  
Other options available by customer requested (see Page 4~5)
- Output voltage
- IEC320-C14 AC inlet
- Rated wattage
- Series name

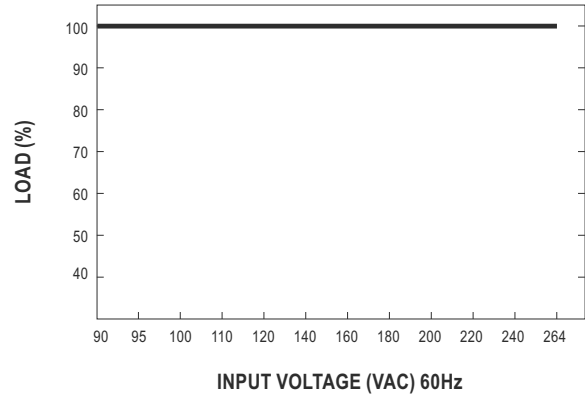
**SPECIFICATION**

| ORDER NO.                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | SGAS15A05-P1J                                                                                                           | SGAS15A09-P1J                                                       | SGAS15A12-P1J | SGAS15A15-P1J | SGAS15A24-P1J                                                             |  |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------|---------------|---------------------------------------------------------------------------|--|
| OUTPUT                    | SAFETY MODEL NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SGAS15A05                                                                                                               | SGAS15A09                                                           | SGAS15A12     | SGAS15A15     | SGAS15A24                                                                 |  |
|                           | DC VOLTAGE <span>Note.2</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5V                                                                                                                      | 9V                                                                  | 12V           | 15V           | 24V                                                                       |  |
|                           | RATED CURRENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2.40A                                                                                                                   | 1.66A                                                               | 1.25A         | 1.00A         | 0.625A                                                                    |  |
|                           | CURRENT RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0 ~ 2.40A                                                                                                               | 0 ~1.66A                                                            | 0 ~ 1.25A     | 0 ~ 1.00A     | 0 ~ 0.625A                                                                |  |
|                           | RATED POWER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 12W                                                                                                                     | 15W                                                                 | 15W           | 15W           | 15W                                                                       |  |
|                           | RIPPLE & NOISE (max.) <span>Note.3</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 80mVp-p                                                                                                                 | 80mVp-p                                                             | 80mVp-p       | 80mVp-p       | 100mVp-p                                                                  |  |
|                           | VOLTAGE TOLERANCE <span>Note.4</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ±5.0%                                                                                                                   | ±5.0%                                                               | ±3.0%         | ±3.0%         | ±2.0%                                                                     |  |
|                           | LINE REGULATION <span>Note.5</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ±0.5%                                                                                                                   | ±0.5%                                                               | ±0.5%         | ±0.5%         | ±0.5%                                                                     |  |
|                           | LOAD REGULATION <span>Note.6</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ±5.0%                                                                                                                   | ±5.0%                                                               | ±3.0%         | ±3.0%         | ±2.0%                                                                     |  |
| SETUP, RISE, HOLD UP TIME |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3000ms, 50ms, 10ms at full load                                                                                         |                                                                     |               |               |                                                                           |  |
| INPUT                     | VOLTAGE RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 90 ~ 264VAC 127 ~ 370VDC                                                                                                |                                                                     |               |               |                                                                           |  |
|                           | FREQUENCY RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 47 ~ 63Hz                                                                                                               |                                                                     |               |               |                                                                           |  |
|                           | EFFICIENCY (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 79%                                                                                                                     | 84%                                                                 | 85%           | 85%           | 86%                                                                       |  |
|                           | AC CURRENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.4A / 100VAC                                                                                                           |                                                                     |               |               |                                                                           |  |
|                           | INRUSH CURRENT (max.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Cold start 30A/ 115VAC 50A / 230VAC                                                                                     |                                                                     |               |               |                                                                           |  |
|                           | LEAKAGE CURRENT(max.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.25mA / 240VAC                                                                                                         |                                                                     |               |               |                                                                           |  |
| PROTECTION                | OVERLOAD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 105 ~ 250% rated output power<br>Protection type : Hiccup mode, recovers automatically after fault condition is removed |                                                                     |               |               |                                                                           |  |
|                           | OVER VOLTAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | >120% rated output voltage<br>Protection type : Clamp by zener diode                                                    |                                                                     |               |               |                                                                           |  |
| ENVIRONMENT               | WORKING TEMP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -20 ~ +70℃ (Refer to "Derating Curve")                                                                                  |                                                                     |               |               |                                                                           |  |
|                           | WORKING HUMIDITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 20% ~ 90% RH non-condensing                                                                                             |                                                                     |               |               |                                                                           |  |
|                           | STORAGE TEMP., HUMIDITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -20 ~ +85℃, 10 ~ 95% RH non-condensing                                                                                  |                                                                     |               |               |                                                                           |  |
|                           | TEMP. COEFFICIENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ±0.03% / °C (0 ~ 40℃)                                                                                                   |                                                                     |               |               |                                                                           |  |
| SAFETY & EMC<br>(Note. 7) | VIBRATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes                                                 |                                                                     |               |               |                                                                           |  |
|                           | SAFETY STANDARDS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | UL62368-1, CSA C22.2 NO. 62368-1, TUV BS EN/EN62368-1 approved                                                          |                                                                     |               |               |                                                                           |  |
|                           | WITHSTAND VOLTAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | I/P-O/P:3KVAC , I/P-FG:1.5KVAC                                                                                          |                                                                     |               |               |                                                                           |  |
|                           | ISOLATION RESISTANCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | I/P-O/P, I/P-FG:100M Ohms / 500VDC / 25℃ / 70% RH                                                                       |                                                                     |               |               |                                                                           |  |
|                           | EMC EMISSION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Parameter                                                                                                               | Standard                                                            |               |               | Test Level / Note                                                         |  |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Conducted emission                                                                                                      | BS EN/EN55032(CISPR32)FCC PART 15 / CISPR22, CAN ICES-3(B)/NMB-3(B) |               |               | Class B                                                                   |  |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Radiated emission                                                                                                       | BS EN/EN55032(CISPR32)FCC PART 15 / CISPR22, CAN ICES-3(B)/NMB-3(B) |               |               | Class B                                                                   |  |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Harmonic current                                                                                                        | BS EN/EN61000-3-2                                                   |               |               | Class A                                                                   |  |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Voltage flicker                                                                                                         | BS EN/EN61000-3-3                                                   |               |               | -----                                                                     |  |
|                           | EMC IMMUNITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Parameter                                                                                                               | Standard                                                            |               |               | Test Level /Note                                                          |  |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ESD                                                                                                                     | BS EN/EN61000-4-2                                                   |               |               | Level 3, 8KV air; Level 2, 4KV contact                                    |  |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | RF field susceptibility                                                                                                 | BS EN/EN61000-4-3                                                   |               |               | Level 2, 3V/m                                                             |  |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | EFT bursts                                                                                                              | BS EN/EN61000-4-4                                                   |               |               | Level 2, 1KV                                                              |  |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Surge susceptibility                                                                                                    | BS EN/EN61000-4-5                                                   |               |               | Level 3, 1KV/L-N 2KV/L,N-PE                                               |  |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Conducted susceptibility                                                                                                | BS EN/EN61000-4-6                                                   |               |               | Level 2, 3V                                                               |  |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Magnetic field immunity                                                                                                 | BS EN/EN61000-4-8                                                   |               |               | Level 1, 1A/m                                                             |  |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Voltage dips , interruption                                                                                             | BS EN/EN61000-4-11                                                  |               |               | >95% dip 0. 5 periods, 30% dip 25 periods, >95% interruptions 250 periods |  |
| OTHERS                    | LIFE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3 years : 100% load 40℃, 12hours / day                                                                                  |                                                                     |               |               |                                                                           |  |
|                           | MTBF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 507Khrs min. MIL-HDBK-217F(25℃)                                                                                         |                                                                     |               |               |                                                                           |  |
|                           | DIMENSION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 85.7*50.9*33.8mm (L*W*H)                                                                                                |                                                                     |               |               |                                                                           |  |
|                           | PACKING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 150g ; 90pcs / 14Kg / CARTON                                                                                            |                                                                     |               |               |                                                                           |  |
| CONNECTOR                 | PLUG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | See page 4~5 ; Other type available by customer requested                                                               |                                                                     |               |               |                                                                           |  |
|                           | CABLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | See page 4~5 ; Other type available by customer requested                                                               |                                                                     |               |               |                                                                           |  |
| NOTE                      | 1.All parameters are specified at 230VAC input, rated load, 25℃ 70% RH ambient.<br>2.DC voltage: The output voltage set at point measure by plug terminal & 50% load.<br>3.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1µf & 47µf capacitor.<br>4.Tolerance: includes set up tolerance, line regulation, load regulation.<br>5.Line regulation is measured from low line to high line at rated load.<br>6.Load regulation is measured from 0% to 100% rated load.<br>7.The power supply is considered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."<br>(as available on <a href="http://www.meanwell.com">http://www.meanwell.com</a> )<br>※ Product Liability Disclaimer : For detailed information, please refer to <a href="https://www.meanwell.com/serviceDisclaimer.aspx">https://www.meanwell.com/serviceDisclaimer.aspx</a> |                                                                                                                         |                                                                     |               |               |                                                                           |  |

### Derating Curve

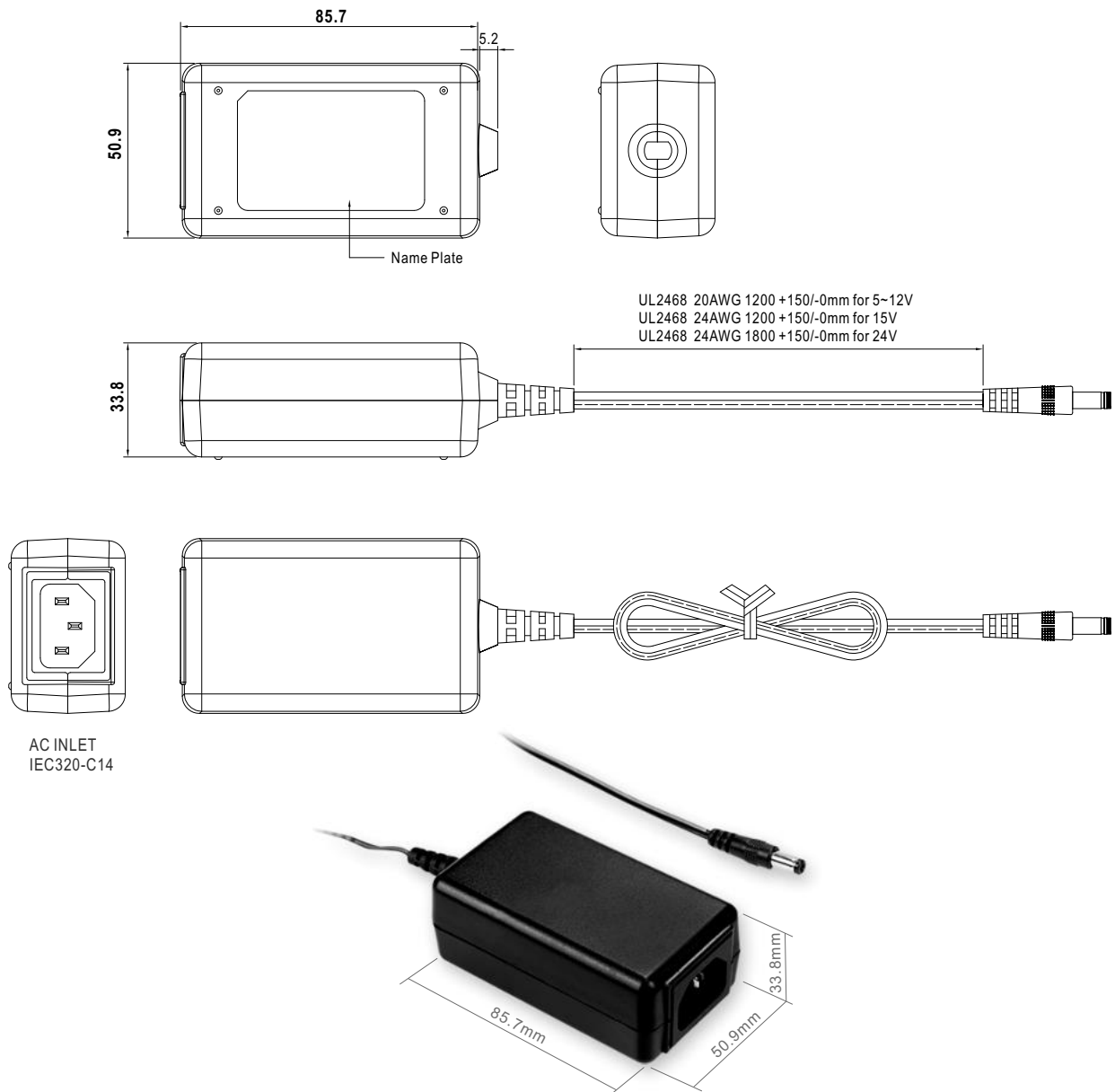


### Static Characteristics



Unit:mm

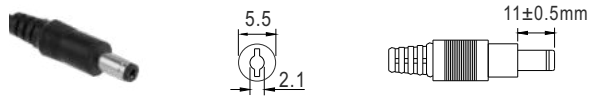
### Mechanical Specification



### DC output plug

Standard plug: P1J

Unit:mm

| P1J                                                                               | Pin Assignment                                                                                     |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
|  |                 |
|                                                                                   | Outside  Inside |

DC plug changeable through:

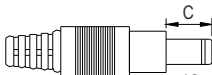
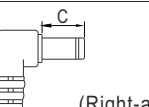
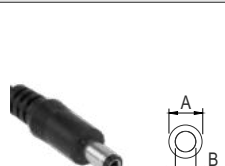
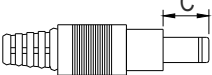
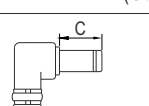
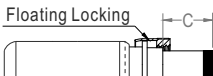
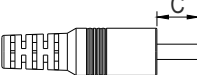
- Customization of the standard part with an optional DC plug according to the table (MOQ applicable)
- Quick adapter accessory (sold separately without MOQ)

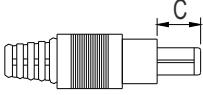
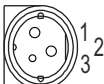
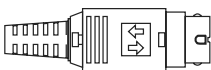
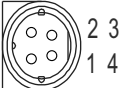
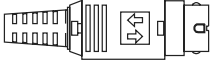
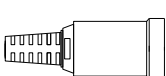
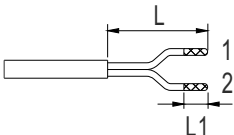
Please refer to below table and online selection guide : [https://www.meanwell.com/upload/pdf/DC\\_plug.pdf](https://www.meanwell.com/upload/pdf/DC_plug.pdf)

Example quick adapter accessory:



Optional DC plug: (Available in customized cable or quick adapter)

| Tuning Fork Style                                                                   |                                                                                                                                                                                                            | Type No.   | A<br>OD | B<br>ID | C<br>L | Quick Adapter<br>Accessory               |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|---------|--------|------------------------------------------|
|  | <br>(Straight)<br><br>(Right-angled) | P1I        | 5.5     | 2.1     | 9.5    | Available<br>(Current rating: 7.5A max.) |
|                                                                                     |                                                                                                                                                                                                            | P1L        | 5.5     | 2.5     | 9.5    |                                          |
|                                                                                     |                                                                                                                                                                                                            | P1M        | 5.5     | 2.5     | 11.0   |                                          |
|                                                                                     |                                                                                                                                                                                                            | P1IR       | 5.5     | 2.1     | 9.5    |                                          |
|                                                                                     |                                                                                                                                                                                                            | P1JR       | 5.5     | 2.1     | 11.0   |                                          |
|                                                                                     |                                                                                                                                                                                                            | P1LR       | 5.5     | 2.5     | 9.5    |                                          |
|                                                                                     |                                                                                                                                                                                                            | P1MR       | 5.5     | 2.5     | 11.0   |                                          |
| Barrel Style                                                                        |                                                                                                                                                                                                            | Type No.   | A<br>OD | B<br>ID | C<br>L | None                                     |
|  | <br>(Straight)<br><br>(Right-angled) | P2I        | 5.5     | 2.1     | 9.5    |                                          |
|                                                                                     |                                                                                                                                                                                                            | P2J        | 5.5     | 2.1     | 11.0   |                                          |
|                                                                                     |                                                                                                                                                                                                            | P2L        | 5.5     | 2.5     | 9.5    |                                          |
|                                                                                     |                                                                                                                                                                                                            | P2M        | 5.5     | 2.5     | 11.0   |                                          |
|                                                                                     |                                                                                                                                                                                                            | P2IR       | 5.5     | 2.1     | 9.5    |                                          |
|                                                                                     |                                                                                                                                                                                                            | P2JR       | 5.5     | 2.1     | 11.0   |                                          |
|                                                                                     |                                                                                                                                                                                                            | P2LR       | 5.5     | 2.5     | 9.5    |                                          |
|                                                                                     |                                                                                                                                                                                                            | P2MR       | 5.5     | 2.5     | 11.0   |                                          |
| Lock Style                                                                          |                                                                                                                                                                                                            | Type No.   | A<br>OD | B<br>ID | C<br>L | None                                     |
|  | <br>Floating Locking<br>SWITCHCRAFT original or equivalent                                                              | P2S(S761K) | 5.53    | 2.03    | 12.06  |                                          |
|                                                                                     |                                                                                                                                                                                                            | P2K(761K)  | 5.53    | 2.54    | 12.06  |                                          |
|                                                                                     |                                                                                                                                                                                                            | P2C(S760K) | 5.53    | 2.03    | 9.52   |                                          |
|                                                                                     |                                                                                                                                                                                                            | P2D(760K)  | 5.53    | 2.54    | 9.52   |                                          |
| Min. Pin Style                                                                      |                                                                                                                                                                                                            | Type No.   | A<br>OD | B<br>ID | C<br>L | Available<br>(Current rating: 5A max.)   |
|  | <br>EIAJ equivalent                                                                                                     | P3A        | 2.35    | 0.7     | 11.0   |                                          |
|                                                                                     |                                                                                                                                                                                                            | P3B        | 4.0     | 1.7     | 11.0   |                                          |
|                                                                                     |                                                                                                                                                                                                            | P3C        | 4.75    | 1.7     | 11.0   |                                          |

| Center Pin Style                                                                                                                                                                                                                                                                           | Type No.    | A              | B      | C    | D          | Quick Adapter Accessory                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------|--------|------|------------|------------------------------------------|
|                                                                                                                                                                                                                                                                                            |             | OD             | ID     | L    | Center Pin |                                          |
|   <br>EIAJ equivalent                   | P4A         | 5.5            | 3.4    | 11.0 | 1.0        | Available<br>(Current rating: 7.5A max.) |
|                                                                                                                                                                                                                                                                                            | P4B         | 6.5            | 4.4    | 11.0 | 1.4        |                                          |
|                                                                                                                                                                                                                                                                                            | P4C         | 7.4            | 5.1    | 11.0 | 0.6        |                                          |
| Min. DIN 3 Pin with Lock (male)                                                                                                                                                                                                                                                            | Type No.    | Pin Assignment |        |      |            | Available<br>(Current rating: 7.5A max.) |
|                                                                                                                                                                                                                                                                                            |             | PIN No.        | Output |      |            |                                          |
|   <br>KYCON KPPX-3P equivalent          | R6B         | 1              | +Vo    |      |            |                                          |
|                                                                                                                                                                                                                                                                                            |             | 2              | -Vo    |      |            |                                          |
|                                                                                                                                                                                                                                                                                            |             | 3              | +Vo    |      |            |                                          |
| Min. DIN 4 Pin with Lock (male)                                                                                                                                                                                                                                                            | Type No.    | Pin Assignment |        |      |            | Available<br>(Current rating: 7.5A max.) |
|                                                                                                                                                                                                                                                                                            |             | PIN No.        | Output |      |            |                                          |
|   <br>KYCON KPPX-4P equivalent          | R7B         | 1              | +Vo    |      |            |                                          |
|                                                                                                                                                                                                                                                                                            |             | 2              | -Vo    |      |            |                                          |
|                                                                                                                                                                                                                                                                                            |             | 3              | -Vo    |      |            |                                          |
|                                                                                                                                                                                                                                                                                            |             | 4              | +Vo    |      |            |                                          |
| Min. DIN 4 Pin with Lock (female)                                                                                                                                                                                                                                                          | Type No.    | Pin Assignment |        |      |            | None                                     |
|                                                                                                                                                                                                                                                                                            |             | PIN No.        | Output |      |            |                                          |
|   <br>KYCON KPJX-CM-4S equivalent | R7BF        | 1              | +Vo    |      |            |                                          |
|                                                                                                                                                                                                                                                                                            |             | 2              | -Vo    |      |            |                                          |
|                                                                                                                                                                                                                                                                                            |             | 3              | -Vo    |      |            |                                          |
|                                                                                                                                                                                                                                                                                            |             | 4              | +Vo    |      |            |                                          |
| Stripped and tinned leads                                                                                                                                                                                                                                                                  | Type No.    | Pin Assignment |        |      |            | None                                     |
|                                                                                                                                                                                                                                                                                            |             | PIN No.        | Output |      |            |                                          |
|  <br>Length of Land L1 by request<br>(MW's standard length, L: <u>25</u> mm, L1: <u>10</u> mm)                       | by customer | 1<br>( White ) | +Vo    |      |            |                                          |
|                                                                                                                                                                                                                                                                                            |             | 2<br>( Black ) | -Vo    |      |            |                                          |

## ■ Installation Manual

Please refer to : <http://www.meanwell.com/manual.html>