



■ Features

- Extreme small and space-saving, takes up one spot on power strip
- Universal AC input / Full range
- 2 pole EURO plug, Class II power unit
- No load power consumption<0.1W
- **Energy efficiency Level VI**
- Comply with EU ErP and meet CoC Version 5
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- Pass LPS
- 18V model 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)
- 3 years warranty

■ Applications

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

■ GTIN CODE

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

■ Description

SGAS06E is a 6W compact size highly reliable wall-mounted style single-output green adaptor series, which is compact and convenient for carry. SGAS06E is a class II power unit (no FG) equipped with the standard 2-Pin European plug, accepting the input range from 90VAC to 264VAC. The whole series provides different models with output voltages ranging between 5VDC and 48VDC that it can satisfy the demands for various types of consumer electronic devices.

With the efficiency up to 83% and the extremely low no-load power consumption below 0.1W, SGAS06E is compliant with EU ErP and meet 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

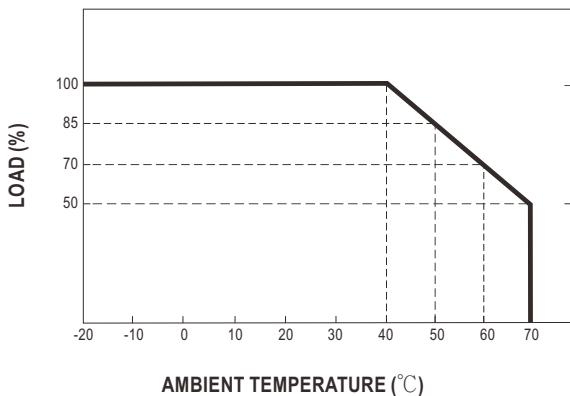
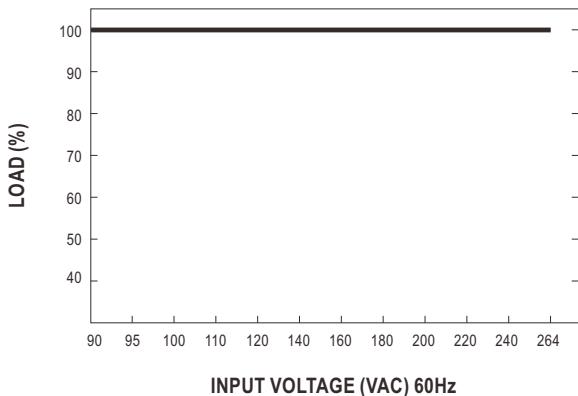
SGAS06E 05 - P1J

DC plug type { P1J: Plug for standard model, $2.1\psi \times 5.5\psi \times 11\text{mm}$,
C+ tuning fork type
Other options available by customer requested (see Page 4~5)

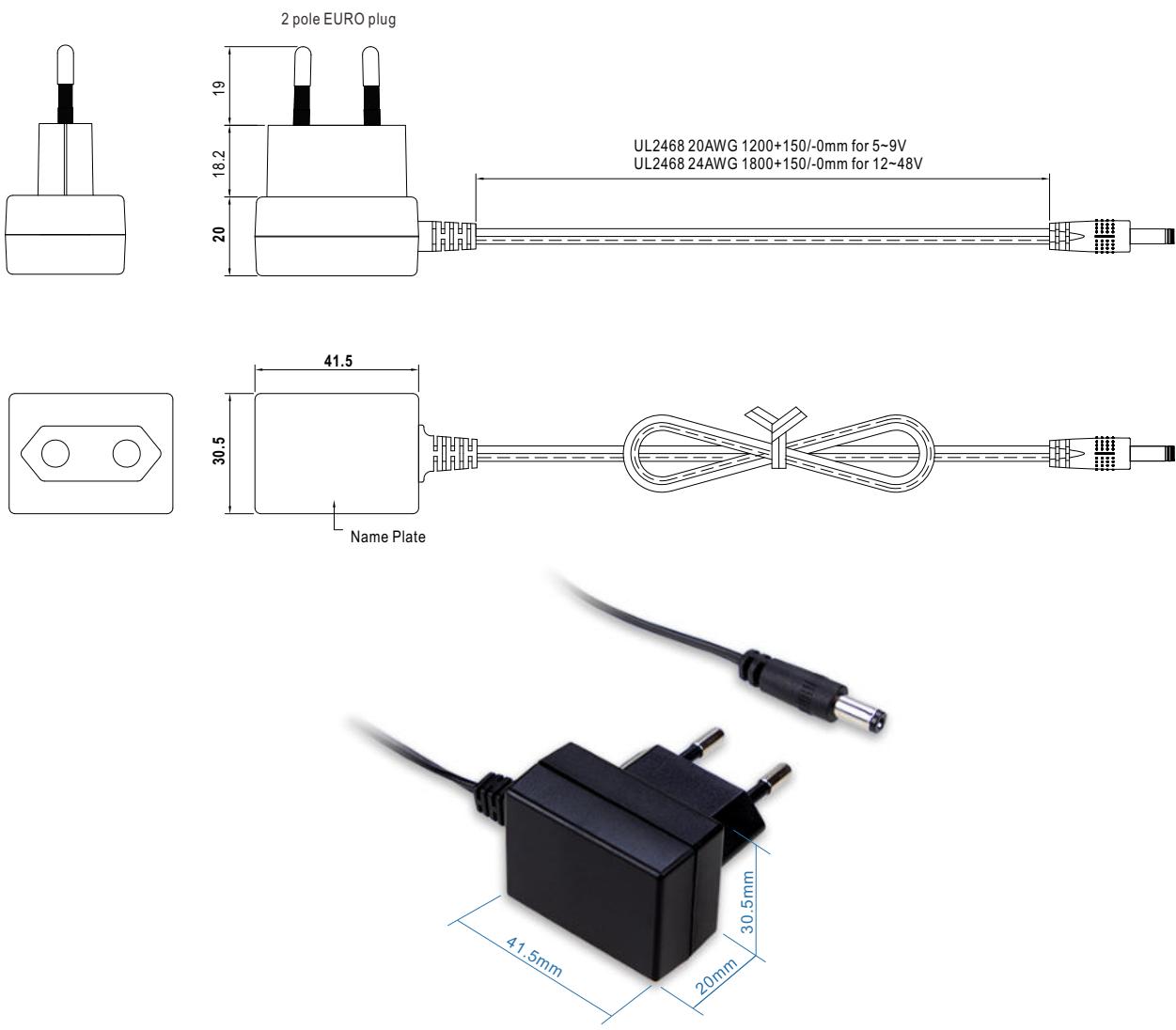
Output voltage
EURO 2 pin AC plug
Rated wattage
Series name

SPECIFICATION

ORDER NO.	SGAS06E05-P1J	SGAS06E07-P1J	SGAS06E09-P1J	SGAS06E12-P1J	SGAS06E15-P1J	SGAS06E24-P1J	SGAS06E48-P1J				
OUTPUT	SAFETY MODEL NO.	SGAS06E05	SGAS06E07	SGAS06E09	SGAS06E12	SGAS06E15	SGAS06E24				
	DC VOLTAGE Note.2	5V	7.5V	9V	12V	15V	24V				
	RATED CURRENT	1.00A	0.8A	0.66A	0.5A	0.4A	0.25A				
	CURRENT RANGE	0 ~ 1.00A	0 ~ 0.8A	0 ~ 0.66A	0 ~ 0.5A	0 ~ 0.4A	0 ~ 0.25A				
	RATED POWER	5W	6W	6W	6W	6W	6W				
	RIPPLE & NOISE (max.) Note.3	75mVp-p	85mVp-p	80mVp-p	80mVp-p	80mVp-p	80mVp-p				
	VOLTAGE TOLERANCE Note.4	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±2.0%				
	LINE REGULATION Note.5	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%				
INPUT	LOAD REGULATION Note.6	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±2.0%				
	SETUP, RISE, HOLD UP TIME	1500ms, 50ms, 5ms at full load									
	VOLTAGE RANGE	90 ~ 264VAC 127 ~ 370VDC									
	FREQUENCY RANGE	47 ~ 63Hz									
	EFFICIENCY (Typ.)	75%	77%	79%	79%	80%	82%				
	AC CURRENT	0.2A / 100VAC									
	INRUSH CURRENT (max.)	Cold start 30A / 115VAC 50A / 230VAC									
	LEAKAGE CURRENT(max.)	0.25mA / 240VAC									
PROTECTION	OVERLOAD	105 ~ 180% rated output power									
		Protection type : Hiccup mode, recovers automatically after fault condition is removed									
ENVIRONMENT	OVER VOLTAGE	>120% rated output voltage									
		Protection type : Clamp by zener diode									
SAFETY & EMC (Note. 7)	WORKING TEMP.	-20 ~ +70°C (Refer to "Derating Curve")									
	WORKING HUMIDITY	20% ~ 90% RH non-condensing									
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH non-condensing									
	TEMP. COEFFICIENT	±0.03% / °C (0 ~ 40°C)									
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes									
SAFETY & EMC (Note. 7)	SAFETY STANDARDS	TUV BS EN/EN62368-1 approved									
	WITHSTAND VOLTAGE	I/P-O/P:4242VDC									
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH									
	EMC EMISSION	Parameter	Standard	Test Level / Note							
		Conducted emission	BS EN/EN55032(CISPR32)	Class B							
		Radiated emission	BS EN/EN55032(CISPR32)	Class B							
		Harmonic current	BS EN/EN61000-3-2	Class A							
	EMC IMMUNITY	Voltage flicker	BS EN/EN61000-3-3	-----							
		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							
		Conducted susceptibility	BS EN/EN61000-4-6	Level 2, 3V							
		Magnetic field immunity	BS EN/EN61000-4-8	Level 1, 1A/m							
OTHERS	Voltage dips , interruption	BS EN/EN61000-4-11 >95% dip 0. 5 periods, 30% dip 25 periods, >95% interruptions 250 periods									
	LIFE	3 years : 100% load 40°C, 12hours / day									
	MTBF	885Khrs min. MIL-HDBK-217F(25°C)									
	DIMENSION	41.5*30.5*20mm (L*W*H)									
CONNECTOR	PACKING	80g ; 150pcs / 13Kg / CARTON									
	PLUG	See page 4~5 ; Other type available by customer requested									
NOTE	CABLE	See page 4~5 ; Other type available by customer requested									
		1.All parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient. 2.DC voltage: The output voltage set at point measure by plug terminal & 50% load. 3.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1µf & 47µf capacitor. 4.Tolerance: includes set up tolerance, line regulation, load regulation. 5.Line regulation is measured from low line to high line at rated load. 6.Load regulation is measured from 0% to 100% rated load 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." (as available on http://www.meanwell.com)									
		※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx									

■ Derating Curve

■ Static Characteristics

■ Mechanical Specification

Unit:mm



■ DC output plug

- ◎ Standard plug: P1J

Unit:mm

P1J	Pin Assignment
	Outside Inside

- ◎ DC plug changeable through:

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

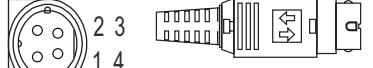
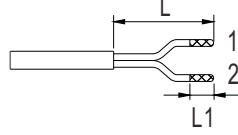
Please refer to below table and online selection guide : https://www.meanwell.com/upload/pdf/DC_plug.pdf

Example quick adapter accessory:



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

Tuning Fork Style	Type No.	A	B	C	Quick Adapter Accessory		
		OD	ID	L			
 (Straight)	P1I	5.5	2.1	9.5	Available (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	B	C	None		
		OD	ID	L			
 (Straight)	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			
 Floating Locking SWITCHCRAFT original or equivalent	P2S(S761K)	5.53	2.03	12.06	None		
	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	B	C		
			OD	ID	L		
 EIAJ equivalent		P3A	2.35	0.7	11.0	Available (Current rating: 5A max.)	
		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		
	P4A	5.5	3.4	11.0	1.0	Available (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 (Current rating: 7.5A max.)	
		PIN No.		Output			
		1		+Vo			
	R6B	2		-Vo		Available (Current rating: 7.5A max.)	
		3		+Vo			
Min. DIN 4 Pin with Lock (male)		Pin Assignment					
	R7B	PIN No.		Output		Available (Current rating: 7.5A max.)	
		1		+Vo			
		2		-Vo			
		3		-Vo			
		4		+Vo			
Min. DIN 4 Pin with Lock (female)	R7BF	Pin Assignment				None	
		PIN No.		Output			
		1		+Vo			
		2		-Vo			
	R7BF	3		-Vo		None	
		4		+Vo			
Stripped and tinned leads		Pin Assignment					
	by customer	PIN No.		Output		None	
		1	(Ribbed or White)	+Vo			
Length of Land L1 by request (MW's standard length, L: <u>25</u> mm, L1: <u>10</u> mm)		2	(Letter or Black)	-Vo			

■ Installation Manual

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