



■ Features

- Universal AC input / Full range
- 2 pole AC inlet IEC320-C8
- No load power consumption < 0.075W
- **Energy efficiency Level VI**
- Comply with EISA 2007/DoE, NRCan, AU/NZ MEPS, EU ErP and CoC Version 5
- Class II power (without earth pin)
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- Pass LPS
- High operating temperature up to +70°C
- LED indicator for power on
- 3 years warranty

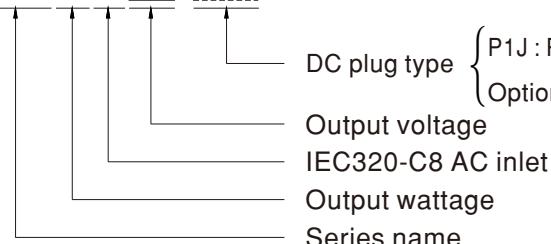
■ Description

GST25B is a highly reliable, 25W desktop style single-output green adaptor series. This product is a class II power unit (without FG), equipped with a standard IEC320-C8 AC inlet and adopting the input range from 85VAC to 264VAC. The entire series supplies different models with output voltages ranging between 5VDC and 48VDC that can satisfy the demands for various types of consumer electronic devices.

With the efficiency up to 89% and the extremely low no-load power consumption below 0.075W, GST25B is compliant with USA EISA 2007/DoE, Canada NRCan, Australia and New Zealand MEPS, EU ErP, and Code of Conduct(CoC) Version 5. The supreme feature allows the adaptor to save the energy when it is either under the operating mode or the standby mode. The entire series utilizes the 94V-0 flame retardant plastic case, providing the double insulation that effectively prevents electrical shock. GST25B is certified for the international safety regulations.

■ Model Encoding

GST 25 B 05 -P1J



DC plug type **P1J** : Plug for standard model, 2.1 ϕ x 5.5 ϕ x 11mm, c+, tuning fork type
 Optional plug type available by customer requested

Output voltage

IEC320-C8 AC inlet

Output wattage

Series name

■ Applications

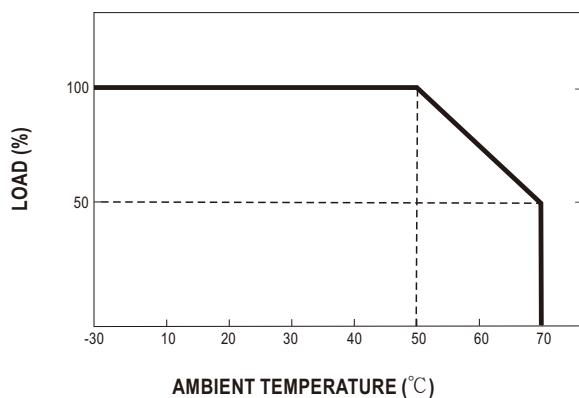
- Consumer electronic devices
- Telecommunication devices
- Office facilities
- Industrial equipments



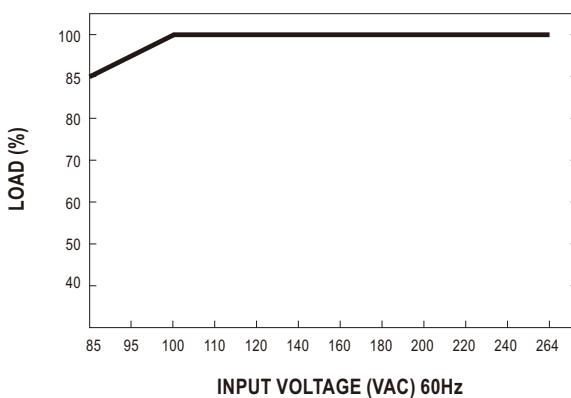
SPECIFICATION

ORDER NO.	GST25B05-P1J	GST25B07-P1J	GST25B09-P1J	GST25B12-P1J	GST25B15-P1J	GST25B18-P1J	GST25B24-P1J	GST25B28-P1J	GST25B48-P1J							
OUTPUT	SAFETY MODEL NO.	GST25B05	GST25B07	GST25B09	GST25B12	GST25B15	GST25B18	GST25B24	GST25B28	GST25B48						
	DC VOLTAGE Note.2	5V	7.5V	9V	12V	15V	18V	24V	28V	48V						
	RATED CURRENT	4.0A	2.93A	2.55A	2.08A	1.66A	1.38A	1.04A	0.89A	0.52A						
	CURRENT RANGE	0 ~ 4.0A	0 ~ 2.93A	0 ~ 2.55A	0 ~ 2.08A	0 ~ 1.66A	0 ~ 1.38A	0 ~ 1.04A	0 ~ 0.89A	0 ~ 0.52A						
	RATED POWER (max.)	20W	22W	23W	25W	25W	25W	25W	25W	25W						
	ripple & noise (max.) Note.3	80mVp-p	80mVp-p	80mVp-p	80mVp-p	100mVp-p	150mVp-p	180mVp-p	240mVp-p	240mVp-p						
	VOLTAGE TOLERANCE Note.4	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%						
	LINE REGULATION Note.5	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%						
INPUT	LOAD REGULATION Note.6	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%						
	SETUP, RISE, HOLD UP TIME	1000ms, 30ms, 50ms/230VAC		1500ms, 30ms, 15ms/115VAC		at full load										
	VOLTAGE RANGE Note.7	85 ~ 264VAC														
	FREQUENCY RANGE	47 ~ 63Hz														
	EFFICIENCY (Typ.)	81.5%	84.5%	85%	86.5%	87%	87%	88%	88%	89%						
	AC CURRENT	0.6A / 115VAC	0.35A / 230VAC													
	INRUSH CURRENT (max.)	35A / 115VAC	65A / 230VAC													
	LEAKAGE CURRENT(max.)	0.25mA / 240VAC														
PROTECTION	OVERLOAD	110 ~ 150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed														
	OVER VOLTAGE	110 ~ 140% rated output voltage Protection type : Clamp by zener diode														
ENVIRONMENT	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")														
	WORKING HUMIDITY	20% ~ 90% RH non-condensing														
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH														
	TEMP. COEFFICIENT	±0.03% / °C (0 ~ 50°C)														
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes														
SAFETY & EMC (Note. 8)	SAFETY STANDARDS	UL60950-1, CSA C22.2, TUV EN60950-1, BSMI CNS14336, CCC GB4943,AS/NZS 60950.1 approved														
	WITHSTAND VOLTAGE	I/P-O/P:4242VDC														
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH														
	EMC EMISSION	Compliance to EN55022 class B, EN61000-3-2,3, FCC PART 15 / CISPR22 class B, CAN ICES-3(B)/NMB-3(B), CNS13438 class B, GB9254, GB17625.1														
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A														
OTHERS	MTBF	500Khrs min. MIL-HDBK-217F(25°C)														
	DIMENSION	79*54*33mm (L*W*H)														
CONNECTOR	PACKING	191.5g; 60pcs/12.5Kg/1.22CUFT														
	PLUG	See page 3,4 ; Other type available by customer requested														
	CABLE	See page 3,4 ; Other type available by customer requested														
NOTE	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 0.1uf & 47uf 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 10% to 100% rated load. 7. Derating may be needed under low input voltage. Please check the derating curve for more details. 8. 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)															

■ Derating Curve

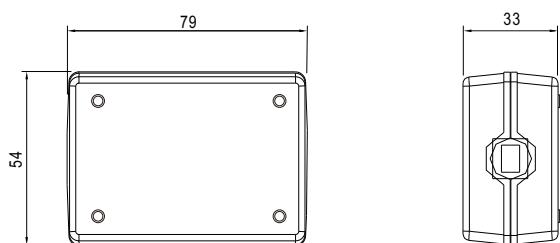
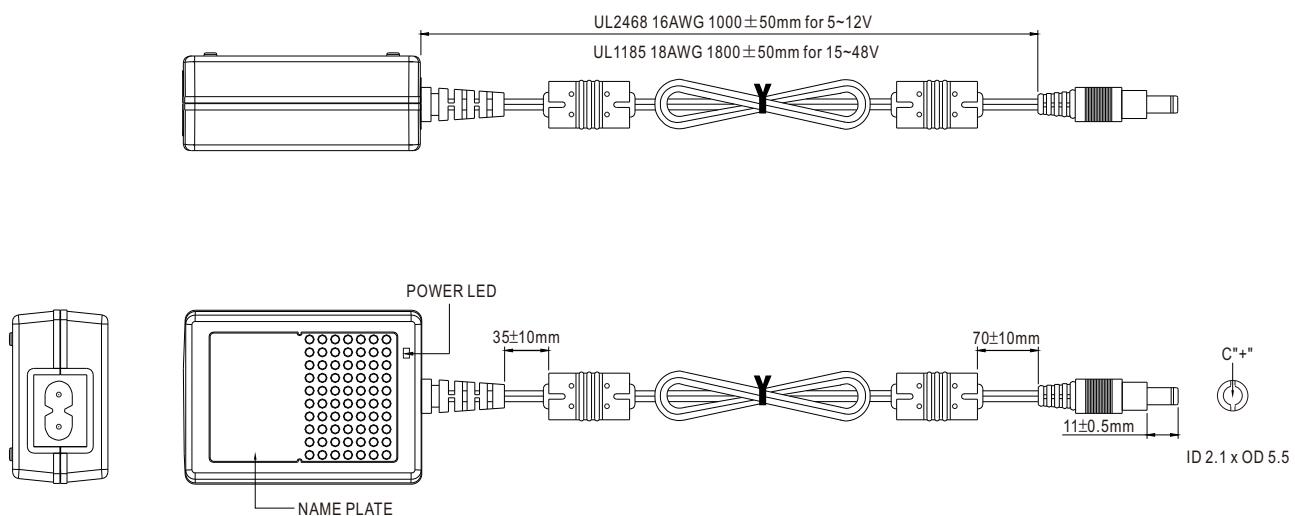


■ Static Characteristics



■ Mechanical Specification

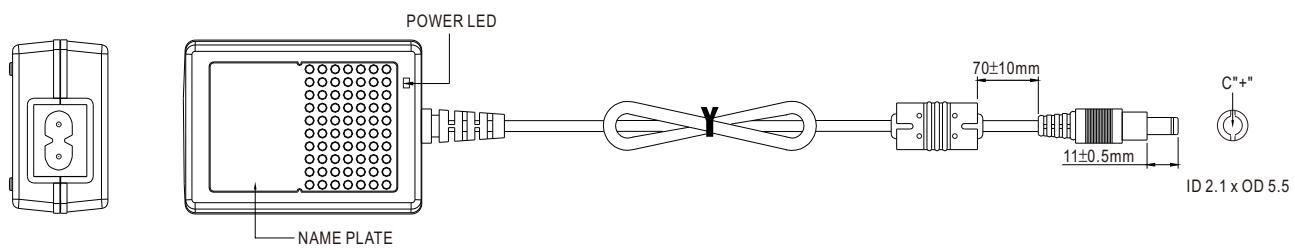
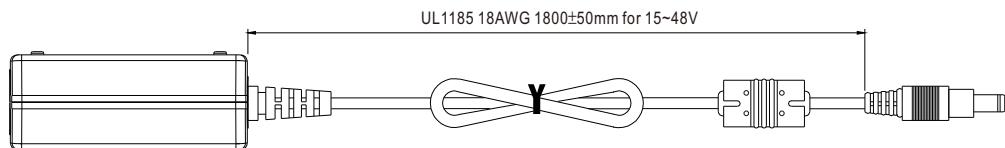
Unit:mm



■ Plug Assignment

Standard plug: P1J

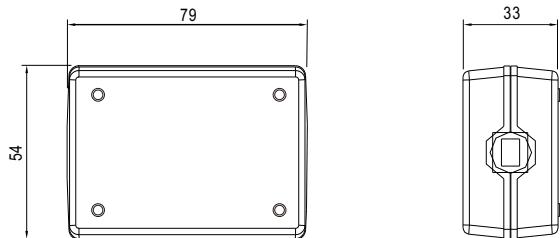
P1J	
P/N	OUTPUT
CENTER	+



■ Plug Assignment

Standard plug: P1J

P1J	
P/N	OUTPUT
CENTER	+



■ Installation Manual

Please refer to : <http://www.meanwell.com/webnet/search/InstallationSearch.html>