

GS25A Series

25W AC-DC Industrial Adaptor



Case NO: 9811BM
93 x 54 x 36 mm

Features

- Universal AC input / Full range
- 3 pole AC inlet IEC320-C14
- No load power consumption < 0.3W
- Energy efficiency Level V
- Complies with EISA 2007, NRCAN, AU/NZ MEPS & EU ErP
- Class I power (with earth pin)
- Protections: Short circuit/Overload/Over voltage
- Pass LPS
- Fully enclosed plastic case
- LED Indicator for power on
- 2 years warranty



Specification

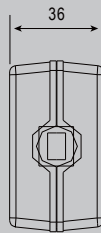
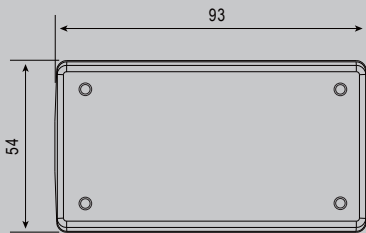
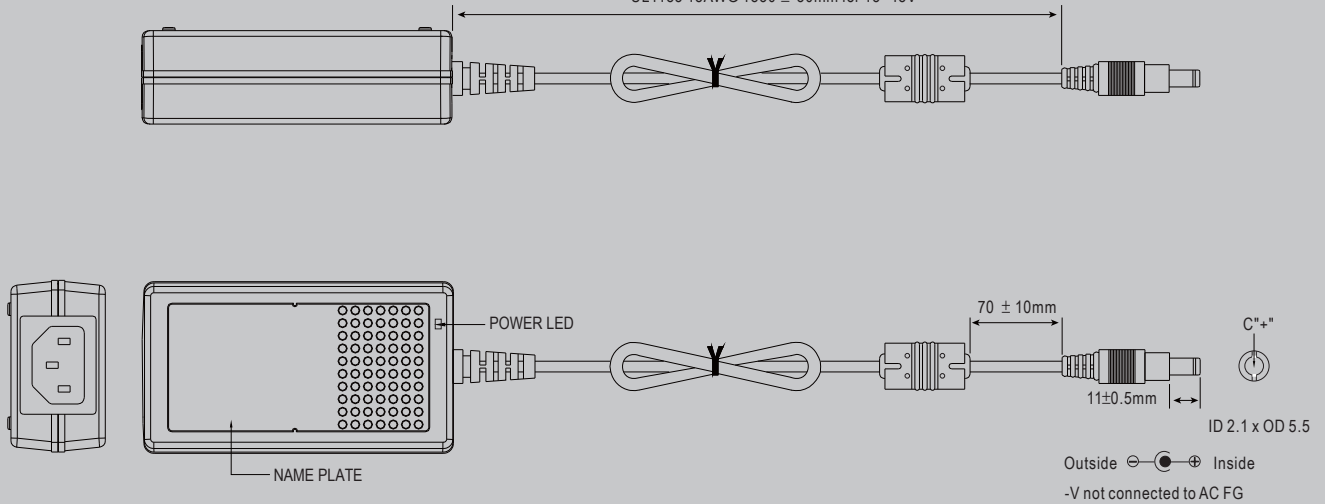
INPUT	Voltage	90 ~ 264VAC 135 ~ 370VDC									
	Frequency	47 ~ 63Hz									
	Current	0.7A / 100VAC									
	Efficiency	78.5%	81.5%	82.5%	84.5%	84.5%	84.5%	85.5%	85.5%	87%	
	Inrush Current	45A / 230VAC									
	Leakage Current	0.75mA / 240VAC									
	OUTPUT	MODEL No.	GS25A05-P1J	GS25A07-P1J	GS25A09-P1J	GS25A12-P1J	GS25A15-P1J	GS25A18-P1J	GS25A24-P1J	GS25A28-P1J	GS25A48-P1J
DC Voltage		5V	7.5V	9V	12V	15V	18V	24V	28V	48V	
Rated Current		4.0A	2.93A	2.77A	2.08A	1.66A	1.38A	1.04A	0.89A	0.52A	
Current Range		0 ~ 4.0A	0 ~ 2.93A	0 ~ 2.77A	0 ~ 2.08A	0 ~ 1.66A	0 ~ 1.38A	0 ~ 1.04A	0 ~ 0.89A	0 ~ 0.52A	
Rated Power		20W	22W	25W	25W	25W	25W	25W	25W	25W	
R & N (max)		50mVp-p	80mVp-p	80mVp-p	80mVp-p	100mVp-p	150mVp-p	180mVp-p	240mVp-p	240mVp-p	
Voltage Tolerance		±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%	
Line Regulation		±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
Load Regulation		±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%	
Setup, Rise, Hold Up Time		500ms, 20ms, 50ms/230VAC 500ms, 20ms, 15ms/115VAC at full load									
PROTECTION		Over Load	110 ~ 150% rated output power Protection Type: Hiccup mode, recovers automatically after fault condition is removed								
	Over Voltage	105 ~ 135% rated output voltage Protection type: Clamp by zener diode									
ENVIRONMENT	Working Temp.	-0 ~ +50°C (Refer to derating curve)									
	Working Humidity.	20% ~ 90% RH non-condensing									
	Storage Temp Humidity.	-20 ~ +85°C, 10 ~ 95% RH									
	Temp. Coefficient	±0.03% / °C (0 ~ 40°C)									
SAFETY & EMC	Vibration	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes									
	Safety Standards	UL60950-1, CSA C22.2, TUV EN60950-1, BSMI CNS14336, CCC GB4943, PSE J60950-1 (5~28V only) 1 approved									
	Withstand Voltage	I/P-O/P: 4242VDC, I/P-FG: 2121VDC									
	Isolation Resistance	I/P-O/P, I/P-FG: 100M Ohms / 500VDC / 25°C / 70% RH									
	EMC Emission	Compliance to EN55032 Class B, EN61000-3-2,3, FCC PART 15 / CISPR22 Class B, CNS13438 class B, GB9254, GB17625.1									
CONNECTOR	EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, Criteria A									
	Plug	See page 2. Other types available by customers request.									
	Cable	See page 2. Other types available by customers request.									
OTHERS	MTBF	500Khrs min. MIL-HDBK-217F (25°C)									
	Packaging	230g; 60pcs / 15Kg / Carton									

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 and 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 20% 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."

Mechanical Specification

Unit:mm

UL1185 16AWG 1230 ± 50mm for 5~12V
 UL1185 18AWG 1830 ± 50mm for 15~48V

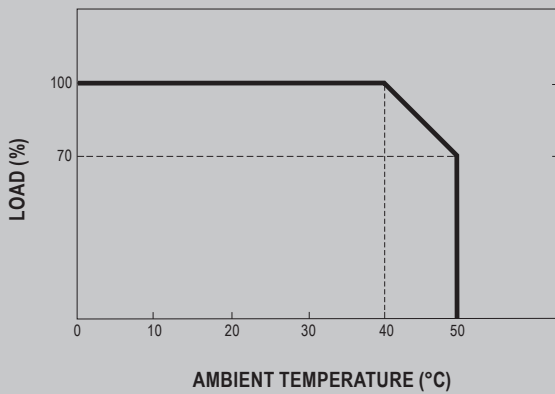


Plug Assignment

Standard plug: P1J

P1J	
P/N	OUTPUT
CENTER	+

Derating Curve



Statistic Characteristics (24V)

