

GS60 Series

60W AC-DC Industrial Adaptor



125 x 50 x 31.5 mm

Features

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

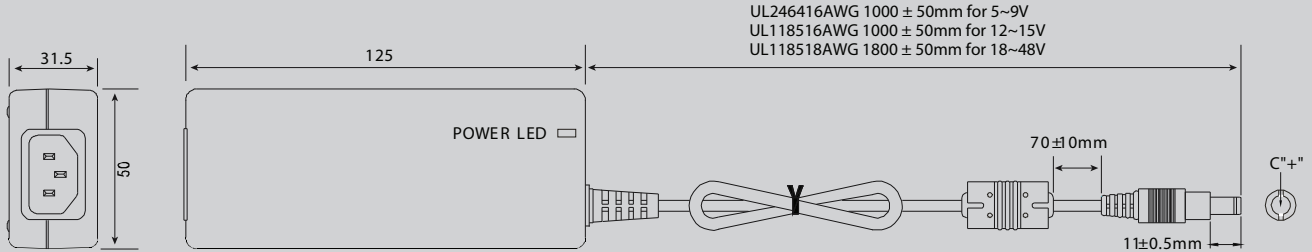


Specification

INPUT	Voltage	90V ~ 264VAC		135 ~ 370VDC							
	Frequency	47 ~ 63 Hz									
	AC Current	1A/115VAC		1A/230VAC							
	Inrush Current (Typ.)	65A/230VAC									
	Leakage Current (Max.)	0.75mA/240VAC									
OUTPUT	Efficiency	80.5%	85.5%	85%	89%	89.5%	90%	91%	92%		
	MODEL No.	GS60A05-P1J	GS60A07-P1J	GS60A09-P1J	GS60A12-P1J	GS60A15-P1J	GS60A18-P1J	GS60A24-P1J	GS60A48-P1J		
	DC Voltage	5V	7.5V	9V	12V	15V	18V	24V	48V		
	Rated Current	5A	5.34A	4.45A	3.34A	2.67A	2.22A	1.67A	0.84A		
	Current Range	0~5A	0~5.34A	0~4.45A	0~3.34A	0~2.67A	0~2.22A	0~1.67A	0~0.84A		
	Rated Power	25W	40W	40W	40W	40W	40W	40W	40W		
	Ripple Noise MAX.	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	150mVp-p	180mVp-p	240mVp-p		
	Voltage Tolerance	± 5.0%	± 5.0%	± 5.0%	± 3.0%	± 3.0%	± 3.0%	± 2.5%	± 2.5%		
	Line Regulation	± 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%	± 2.5%	± 2.5%		
	Setup/Rise Time	1000ms, 30ms/230VAC		1000ms, 30ms/115VAC at full load							
	Hold Up Time	50ms/230VAC	15ms/115VAC at full load								
	PROTECTION	Overload	105~150% rated output voltage Protection Type: Hiccup mode, recovers automatically after fault condition is removed								
		Over Voltage	5.25 ~ 6.75V	7.88 ~ 10.13V	9.45 ~ 12.15V	12.6 ~ 16.2V	15.75 ~ 20.25V	18.9 ~ 24.3V	25.2 ~ 32.4V	50.4 ~ 64.8V	
		Over Temp.	Shut down o/p voltage, re-power on to recover								
ENVIRONMENT	Working Temperature	-30 ~ +60°C, (Refer to "Derating Curve")									
	Working Humidity	20% ~ 90% RH non-condensing									
	Storage Temp, Humidity	-40°C ~ +85°C, 10 ~ 95% RH									
	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	Safety Standards	UL60950-1, CSA C22.2, TUV EN60950-1, BSMI CNS14336, CCC GB4943, PSE J60950-1 approved (for 48V only)									
	Withstand Voltage	I/P-O/P: 3KVAC		I/P-FG: 2KVAC		O/P-FG: 0.5KVAC					
	Isolation Resistance	I/P-OP, I/P-FG, O/P-FG: 100MΩhms / 500VDC / 25°C / 70% RH									
	EMC Emission	Compliance to EN55022 class B, EN61000-3-2, 3, FCC Part 15/CISPR22 class 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	M.T.B.F.	711Khrs min. MIL-HDBK-217F (25°C)									
	Packaging	0.305Kg; 40pcs/13.02Kg/1.05CUFT									
CONNECTOR	Plug	See page 2; Other type available by customers request									
	Cable	See page 2; Other types available by customers request									

1. All parameters are specified at 230VAC input, rated load, 25°C / 70% RH ambient.
2. DC Voltage: the output voltage is set at point measure by plug terminal & 50% load.
3. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair terminated with a 0.1uf & 47uf parallel capacitor.
4. Tolerance: Includes set up tolerance, line regulation and load regulation.
5. Line regulation is measured from low line to high line at rated load.
6. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.
7. Derating maybe needed under low input voltages. 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.

Mechanical Specification




Plug Assignment

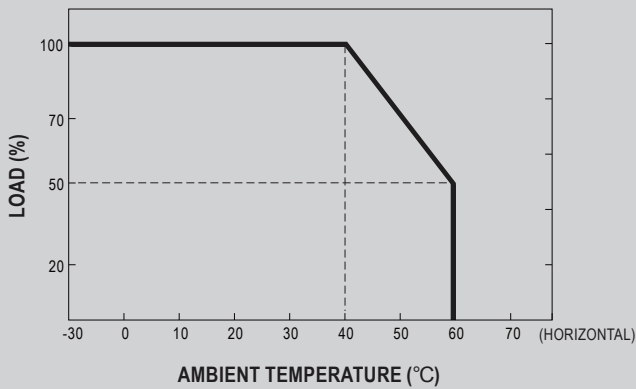
Standard plug: P1J

P1J	
P/N	OUTPUT
CENTER	+

ID 2.1 x OD 5.5

Outside  Inside
 -V not connected to AC FG

Derating Curve



Static Characteristics

