



■ Features :

- Universal AC input / Full range
- No load power consumption < 0.3W
- ErP step2 compliant
- Meet EISA 2007 (Energy Independence and Security Act)
- 2 pole EURO plug
- Class II power (without earth pin)
- Protections: Short circuit / Over load / Over voltage
- Fully enclosed plastic case
- LED indicator for power on
- Approvals: TUV / CB / CE
- Pass LPS
- 2 years warranty

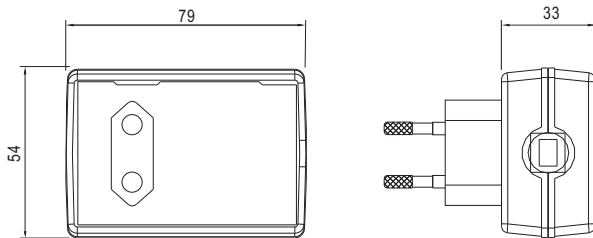
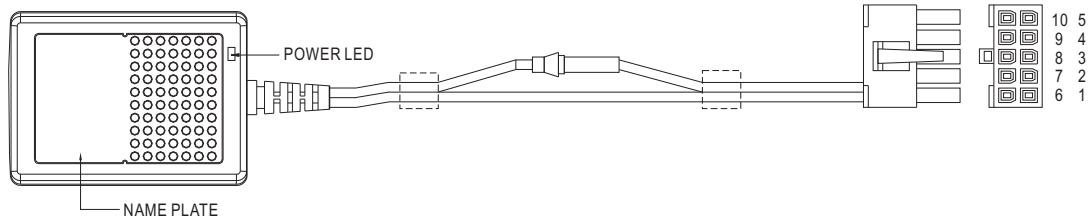
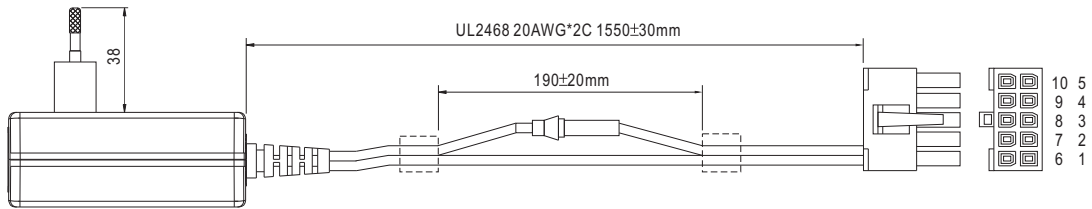


SPECIFICATION

ORDER NO.		GS18E12-CO2
OUTPUT	SAFETY MODEL NO.	GS18E12
	DC VOLTAGE <small>Note.2</small>	12V
	RATED CURRENT	1.50A
	CURRENT RANGE	0 ~ 1.50A
	RATED POWER (max.)	18W
	RIPPLE & NOISE (max.) <small>Note.3</small>	80mVp-p
	VOLTAGE TOLERANCE <small>Note.4</small>	±3.0%
	LINE REGULATION <small>Note.5</small>	±1.0%
	LOAD REGULATION <small>Note.6</small>	±3.0%
SETUP, RISE, HOLD UP TIME	500ms, 20ms, 50ms/230VAC 500ms, 20ms, 15ms/115VAC at full load	
INPUT	VOLTAGE RANGE	90 ~ 264VAC 135 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz
	EFFICIENCY (Typ.)	85%
	AC CURRENT	0.5A / 100VAC
	INRUSH CURRENT (max.)	45A / 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	105 ~ 135% rated output voltage Protection type : Clamp by zener diode, output short
ENVIRONMENT	WORKING TEMP.	0 ~ +50°C (Refer to output load derating curve)
	WORKING HUMIDITY	20% ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-20 ~ +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 <small>(Note. 7)</small>	SAFETY STANDARDS	TUV EN60950-1 approved
	WITHSTAND VOLTAGE	I/P-O/P:4242VDC
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH
	EMI CONDUCTION & RADIATION	Compliance to EN55022 class B
	HARMONIC CURRENT	Compliance to EN61000-3-2,3
EMS 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)
	PACKING	210g ; 60pcs / 13.5kg / CARTON
CONNECTOR	PLUG	See page2
	CABLE	See page2
NOTE	<p>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 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.</p>	

■ Mechanical Specification

Unit:mm

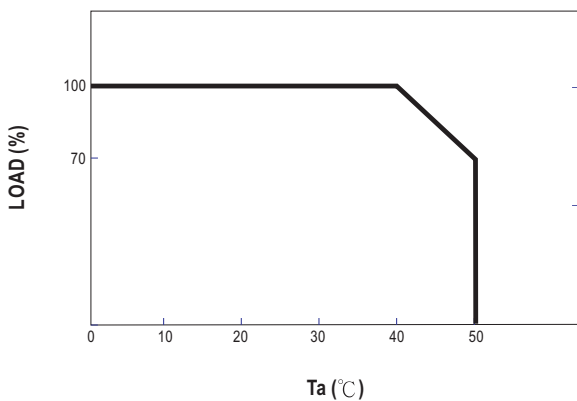


■ Connector

Molex 43025-1000 or equivalent

PIN	OUTPUT	COLOR
6	GND	BLACK
7	+12V	RED

■ Derating Curve



■ Static Characteristics

