18W AC-DC Interchangeable Industrial Adaptor GE18 series

Features :

- Interchangeable AC plugs (plug kit sold separately)
- Universal AC input / Full range
- No load power consumption< 0.075W
- **Energy efficiency Level** Ⅵ
- Comply with EISA 2007/DoE and EU ErP
- Class Ⅱ power (without earth pin)
- Protections: Short circuit / Overload / Over voltage
- Pass LPS
- Fully enclosed plastic case
- LED indicator for power on
- 2 years warranty

Interchangeable AC plug specifically for GE series

TYPE					
	Australian type	U.K type	European type	US type	Mix four type
ORDER NO.	AC plug-AU	AC plug-UK	AC plug-EU	AC plug-US	AC plug-MIX

SPECIFICATION

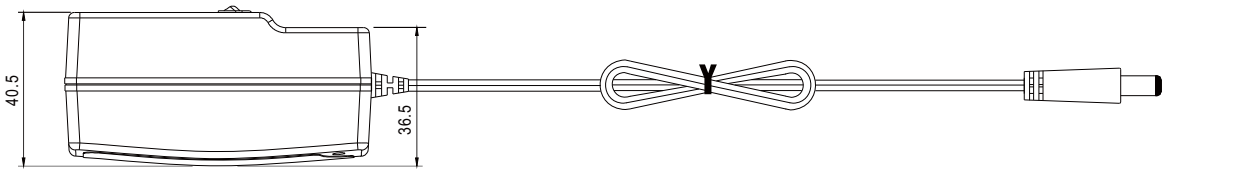
POWER SUPPLY MAIN BODY ORDER NO.		GE18I05-P1J	GE18I07-P1J	GE18I09-P1J	GE18I12-P1J	GE18I15-P1J	GE18I18-P1J	GE18I24-P1J	GE18I48-P1J
OUTPUT	SAFETY MODEL NO.	GE18I05	GE18I07	GE18I09	GE18I12	GE18I15	GE18I18	GE18I24	GE18I48
	DC VOLTAGE Note.2	5V	7.5V	9V	12V	15V	18V	24V	48V
	RATED CURRENT	2.4A	1.73A	2.0A	1.5A	1.2A	1.0A	0.75A	0.375A
	CURRENT RANGE	0 ~ 2.4A	0 ~ 1.73A	0 ~ 2.0A	0 ~ 1.5A	0 ~ 1.2A	0 ~ 1.0A	0 ~ 0.75A	0 ~ 0.375A
	RATED POWER (max.)	12W	13W	18W	18W	18W	18W	18W	18W
	RIPPLE & NOISE (max.) Note.3	50mVp-p	75mVp-p	100mVp-p	120mVp-p	150mVp-p	180mVp-p	240mVp-p	300mVp-p
	VOLTAGE TOLERANCE Note.4	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±3.0%	±3.0%
	LINE REGULATION Note.5	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LOAD REGULATION Note.6	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±3.0%	±3.0%
	SETUP, RISE, HOLD UP TIME	4000ms, 100ms, 30ms / 230VAC 4000ms, 100ms, 10ms / 115VAC at full load							
INPUT	VOLTAGE RANGE Note.7	90 ~ 264VAC 135 ~ 370VDC							
	FREQUENCY RANGE	47 ~ 63Hz							
	EFFICIENCY (Typ.)	80.5%	82.5%	85%	86%	86.5%	87%	87%	87%
	AC CURRENT	0.7A / 100VAC 0.4A / 230VAC							
	INRUSH CURRENT (max.)	COLD START 40A / 100VAC 80A / 230VAC							
	LEAKAGE CURRENT (max.)	0.25mA / 240VAC							
PROTECTION	OVERLOAD	110% ~ 200% rated output power							
		Protection type : Hiccup mode, recovers automatically after fault condition is removed							
	OVER VOLTAGE	115% ~ 135% rated output voltage							
		Protection type : Clamp by zener diode							
ENVIRONMENT	WORKING TEMP.	-10 ~ +50℃ (Refer to "Derating Curve")							
	WORKING HUMIDITY	20% ~ 90% RH non-condensing							
	STORAGE TEMP., HUMIDITY	-20 ~ +85℃, 10 ~ 95% RH							
	TEMP. COEFFICIENT	±0.03% / ℃ (0 ~ 30℃)							
	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, AS/NZS 60950.1, CCC GB4943 approved							
	WITHSTAND VOLTAGE	I/P-O/P:4242VDC							
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25℃/ 70% RH							
	EMC EMISSION	Compliance to EN55022, EN61000-3-2,3, FCC part15, GB9254 class B, GB17625.1							
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A							
OTHERS	LIFE	2 years : 100% load 30℃, 8 hours / day							
	MTBF	100Khrs min. MIL-HDBK-217F (25℃)							
	DIMENSION	81*43*40.5mm (L*W*H)							
	PACKING	134g ; 50pcs / 8.4kg / CARTON							
DC OUTPUT CONNECTOR	PLUG	See page 2 ; Other type available by customer requested							
	CABLE	See page 2 ; Other type available by customer requested							

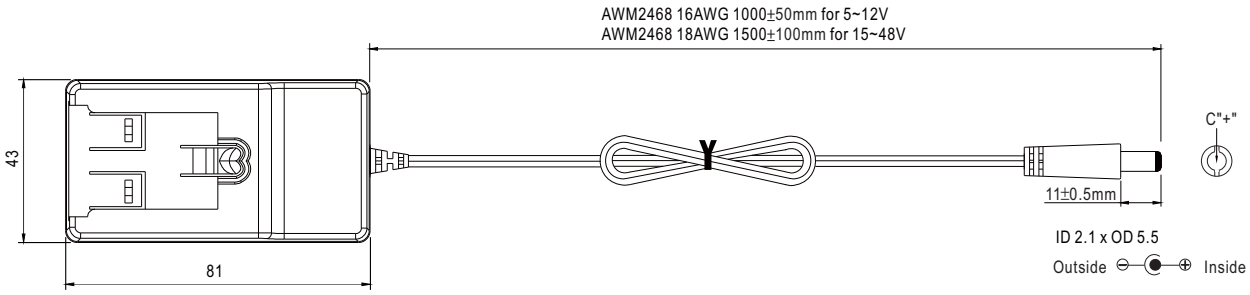
NOTE

1.All parameters are specified at 230VAC input, rated load, 25℃ 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)
9.Main body unit and AC inlet plug should be ordered separately ; it needs to be used along with any of the AC inlet plug.

■ Mechanical Specification

Unit:mm



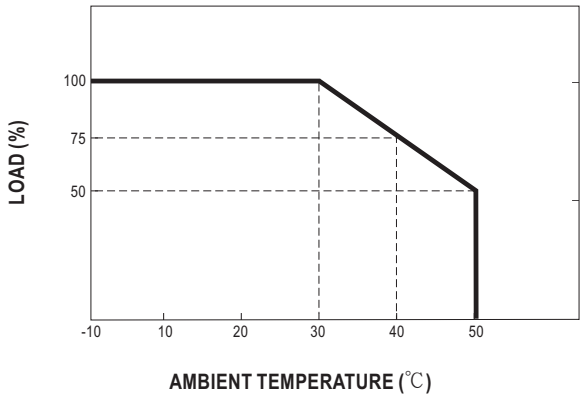


■ Plug Assignment

Standard plug: P1J

P1J	
P/N	OUTPUT
CENTER	+

■ Derating Curve



■ Static Characteristics