


**■ Features :**

- Interchangeable AC plugs (plug kit sold separately)
- Universal AC input / Full range
- No load power consumption < 0.3W
- ErP step2 compliant
- Meet EISA 2007 (Energy Independence and Security Act) for 5~48V
- Class II power (without earth pin)
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- LED indicator for power on
- Pass LPS
- Approvals: UL / CUL / TUV / CB / FCC / CE / C-Tick
- 2 years warranty


**AC INLET PLUG**

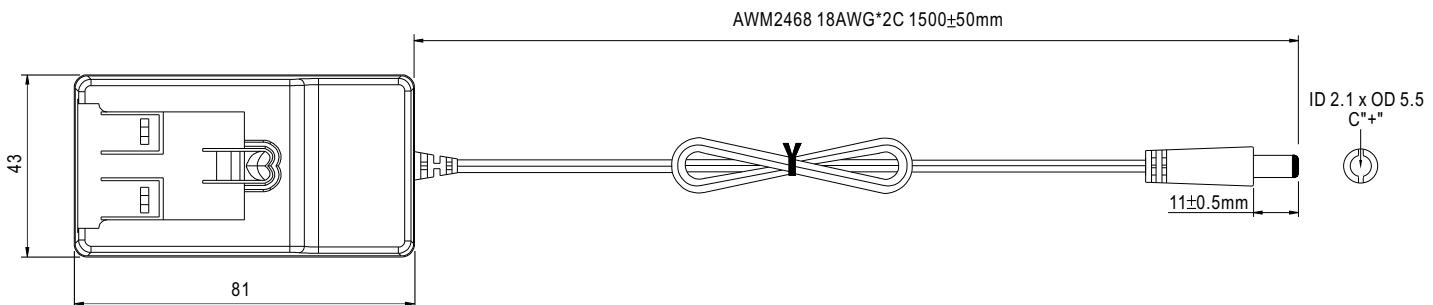
TYPE	AUSTRALIAN	U.K	EUROPEAN	US	MIX FOUR
	Australian type	U.K type	European type	US type	Mix four type
ORDER NO.	AC plug-AU	AC plug-UK	AC plug-EU	AC plug-US	AC plug-MIX

**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.	FRA018-S05-I	FRA018-S07-I	FRA018-S09-I	FRA018-S12-I	FRA018-S15-I	FRA018-S18-I	FRA018-S24-I	FRA018-S48-I
	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%
INPUT	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					
PROTECTION	VOLTAGE RANGE	90 ~ 264VAC	135 ~ 370VDC						
	FREQUENCY RANGE	47 ~ 63Hz							
	EFFICIENCY (Typ.)	75%	79%	81%	82%	84%	84%	85%	85%
	AC CURRENT	0.7A / 100VAC	0.4A / 230VAC						
	INRUSH CURRENT (max.)	COLD START 40A / 100VAC	80A / 230VAC						
	LEAKAGE CURRENT (max.)	0.25mA / 240VAC							
ENVIRONMENT	OVERLOAD	110% ~ 200% rated output power							
		Protection type : Hiccup mode, recovers automatically after fault condition is removed							
SAFETY & EMC	OVER VOLTAGE	115% ~ 135%							
		Protection type : Clamp by zener diode							
OTHERS	WORKING TEMP.	-10 ~ +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							
DC OUTPUT CONNECTOR	SAFETY STANDARDS	UL60950-1, CSA C22.2, 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, FCC PART 15 / CISPR22 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							
NOTE	LIFE	2 years : 100% load 30°C, 8 hours / day							
	MTBF	100Khrs min. MIL-HDBK-217F (25°C)							
	DIMENSION	81*43*40.5mm (L*W*H)							
	PACKING	134g ; 60pcs / 12.32kg / CARTON							
PLUG	Standard type P1J: 2.1φ * 5.5φ * 11mm turning fork type, center positive for stock ; Other type available by customer requested								
	CABLE	See page2							
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.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**

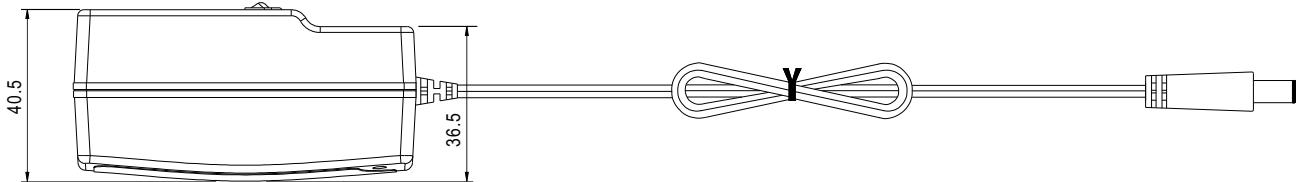
Unit:mm



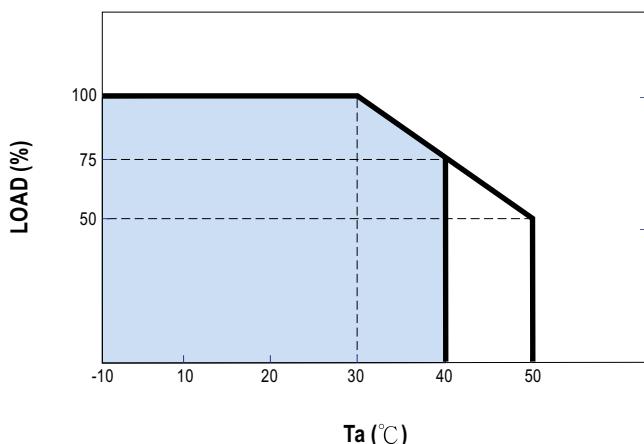
**Plug Assignment**

Standard plug: P1J (option)

P1J	
P/N	OUTPUT
CENTER	+



**Derating Curve**



**Static Characteristics**

