



**HESTORE.HU**

elektronikai alkatrész áruház

**EN:** This Datasheet is presented by the manufacturer.

Please visit our website for pricing and availability at [www.hestore.hu](http://www.hestore.hu).



■ 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 / CCC / CB / FCC / CE / C-Tick
- 2 years warranty



AC INLET PLUG

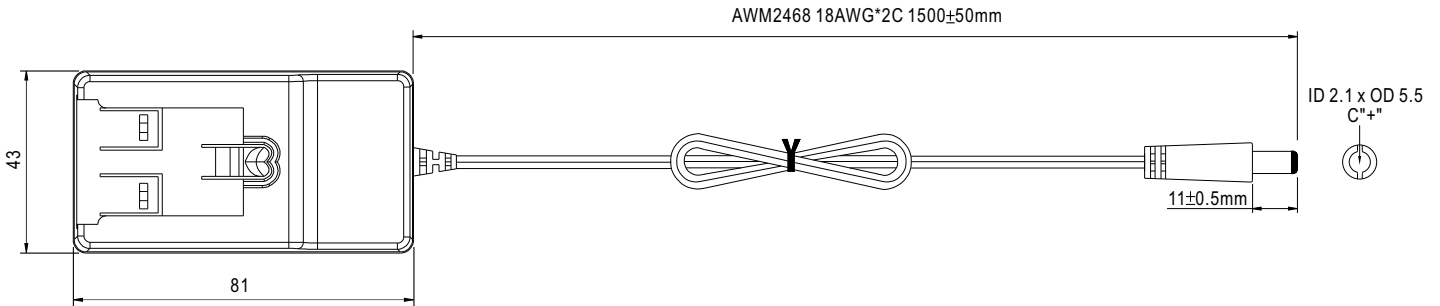
TYPE					
	Australian type	U.K type	European type	US type	Mix four type
ORDER NO.	AC plug-AU	AC plug-UK	AC plug-EU	AC plug-US	AC plug-MIX

SPECIFICATION

POWER SUPPLY MAIN BODY ORDER NO.		GE24I05-P1J	GE24I07-P1J	GE24I09-P1J	GE24I12-P1J	GE24I15-P1J	GE24I18-P1J	GE24I24-P1J	GE24I48-P1J	
OUTPUT	SAFETY MODEL NO.	FRA024-S05-I	FRA024-S07-I	FRA024-S09-I	FRA024-S12-I	FRA024-S15-I	FRA024-S18-I	FRA024-S24-I	FRA024-S48-I	
	DC VOLTAGE <small>Note.2</small>	5V	7.5V	9V	12V	15V	18V	24V	48V	
	RATED CURRENT	3.0A	2.0A	2.22A	2.0A	1.6A	1.33A	1.0A	0.5A	
	CURRENT RANGE	0 ~ 3.0A	0 ~ 2.0A	0 ~ 2.22A	0 ~ 2.0A	0 ~ 1.6A	0 ~ 1.33A	0 ~ 1.0A	0 ~ 0.5A	
	RATED POWER (max.)	15W	15W	20W	24W	24W	24W	24W	24W	
	RIPPLE & NOISE (max.) <small>Note.3</small>	50mVp-p	75mVp-p	100mVp-p	120mVp-p	150mVp-p	180mVp-p	240mVp-p	300mVp-p	
	VOLTAGE TOLERANCE <small>Note.4</small>	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±3.0%	±3.0%	
	LINE REGULATION <small>Note.5</small>	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
	LOAD REGULATION <small>Note.6</small>	±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	90 ~ 264VAC      135 ~ 370VDC								
	FREQUENCY RANGE	47 ~ 63Hz								
	EFFICIENCY (Typ.)	76.5%	79.5%	81.5%	82.5%	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								
PROTECTION	OVERLOAD	110% ~ 200% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed								
	OVER VOLTAGE	115% ~ 135% Protection type : Clamp by zener diode								
ENVIRONMENT	WORKING TEMP.	-10 ~ +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 ~ 50°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, CCC GB4943 approved								
	WITHSTAND VOLTAGE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH								
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH								
	EMC EMISSION	Compliance to EN55022, EN61000-3-2,3, FCC part15, GB9254 class B								
	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°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								
DC OUTPUT CONNECTOR	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, 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

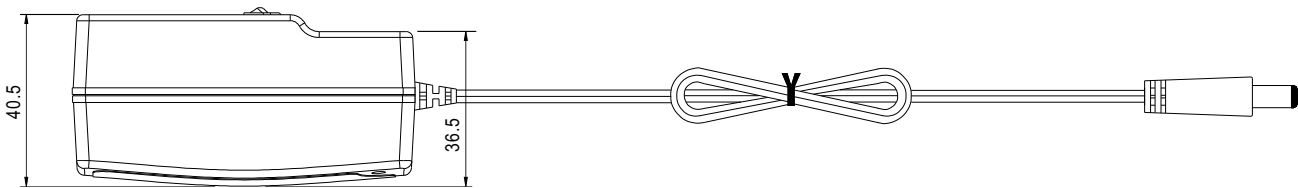
Unit:mm



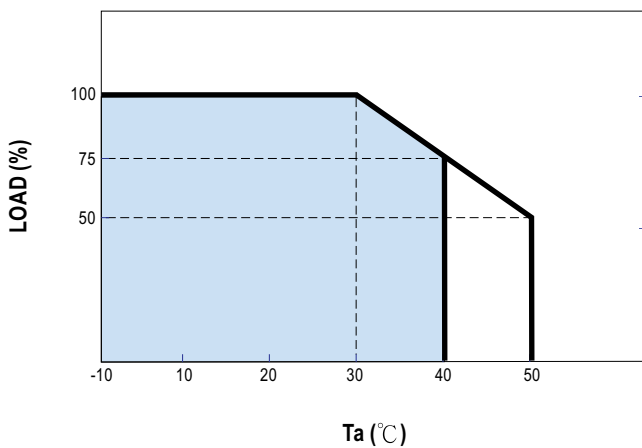
## Plug Assignment

Standard plug: P1J

P1J	
P/N	OUTPUT
CENTER	+



## Derating Curve



## Static Characteristics

