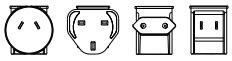
10 ~ 15W AC-DC Single Output Interchangeable Wall-mounted type GE12 series

Features :

- Interchangeable AC plugs (plug kit sold seperately)
- Universal AC input / Full range
- No load power consumption< 0.3W
- ErP step2 compliant
- Meet EISA 2007 (Energy Independence and Security Act) for 5~24V
- 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

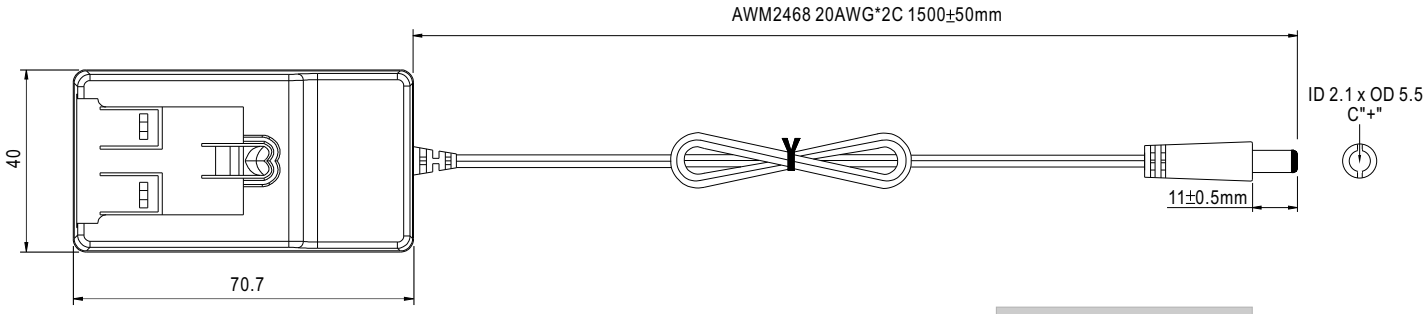
POWER SUPPLY MAIN BODY ORDER NO.		GE12I05-P1J	GE12I07-P1J	GE12I09-P1J	GE12I12-P1J	GE12I15-P1J	GE12I18-P1J	GE12I24-P1J
OUTPUT	SAFETY MODEL NO.	FRA012-S05-I	FRA012-S07-I	FRA012-S09-I	FRA012-S12-I	FRA012-S15-I	FRA012-S18-I	FRA012-S24-I
	DC VOLTAGE Note.2	5V	7.5V	9V	12V	15V	18V	24V
	RATED CURRENT	2.0A	1.33A	1.33A	1.0A	0.8A	0.83A	0.625A
	CURRENT RANGE	0 ~ 2.0A	0 ~ 1.33A	0 ~ 1.33A	0 ~ 1.0A	0 ~ 0.8A	0 ~ 0.83A	0 ~ 0.625A
	RATED POWER	10W	10W	12W	12W	12W	15W	15W
	RIPPLE & NOISE (max.) Note.3	50mVp-p	75mVp-p	100mVp-p	120mVp-p	150mVp-p	180mVp-p	240mVp-p
	VOLTAGE TOLERANCE Note.4	±5.0%	±5.0%	±5.0%	±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%
	LOAD REGULATION Note.6	±5.0%	±5.0%	±5.0%	±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.)	74%	77%	79%	81%	82%	83%	83%
	AC CURRENT	0.4A / 100VAC 0.25A / 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℃ (Refer to output load derating curve)						
	WORKING HUMIDITY	20% ~ 90% RH non-condensing						
	STORAGE TEMP., HUMIDITY	-20 ~ +85℃, 10 ~ 95% RH						
	TEMP. COEFFICIENT	±0.03% / ℃ (0 ~ 40℃)						
	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:4242VDC						
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25℃/ 70% RH						
	EMI CONDUCTION & RADIATION	Compliance to FCC part15, EN55022 class B, GB9254 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	LIFE	2 years : 100% load 30℃, 8 hours / day						
	MTBF	100Khrs min. MIL-HDBK-217F (25℃)						
	DIMENSION	70.7*40*38.8mm (L*W*H)						
	PACKING	97g ; 60pcs / 6.88kg / 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℃ 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 seperately ; it needs to be used along with any of the AC inlet plug.

■ Mechanical Specification

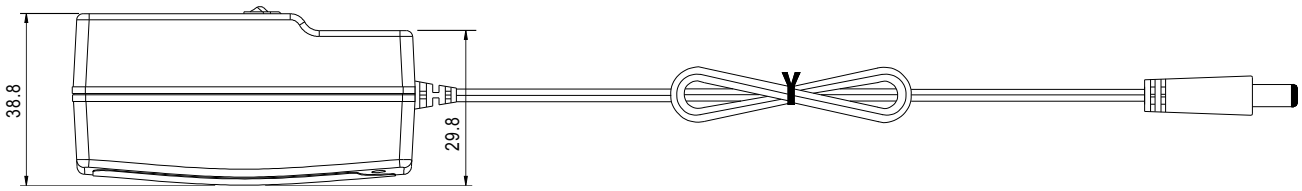
Unit:mm



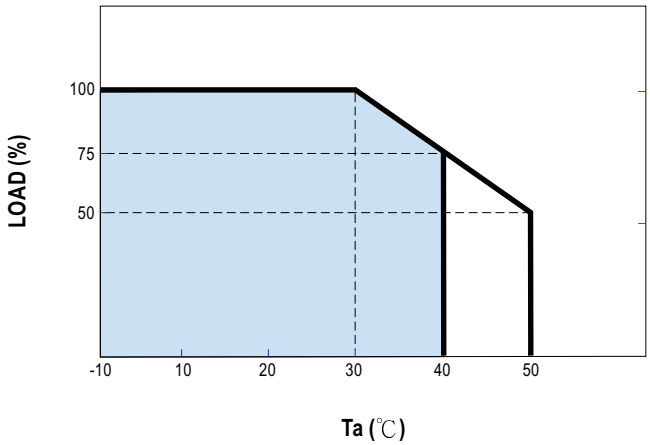
■ Plug Assignment

Standard plug: P1J (option)

P1J	
P/N	OUTPUT
CENTER	+



■ Derating Curve



■ Static Characteristics