



## 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 / RCM / CCC / CB / FCC / CE
- 2 years warranty

## **AC INLET PLUG**



TYPE			6 9	8 8		
	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	
SDECIEIC	ATION					

## 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%	±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 a	t 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									
		115% ~ 135%									
	OVER VOLTAGE	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 (0~40°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, AS/NZS 60950.1, CCC GB4943 approved									
	WITHSTAND VOLTAGE	I/P-O/P:4242VDC									
	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	70.7*40*38.8mm (L*W*H)									
	PACKING	97g;50pcs/6.3kg/CARTON									
DC OUTPUT CONNECTOR	PLUG	Standard type P1J: $2.1\phi$ * $5.5\phi$ * 11mm turning fork type, center positive for stock; Other type available by customer requested									
	CABLE	See page2									
NOTE	2.DC voltage: The output volt 3.Ripple & noise are measure 4.Tolerance: includes set up t 5.Line regulation is measured 6.Load regulation is measured	d at 230VAC input, rated load, 25°C 70% RH ambient. tage set at point measure by plug terminal & 50% load. ed at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor. tolerance, line regulation, load regulation. d from low line to high line at rated load. d from 10% to 100% rated load t plug should be ordered seperately; it needs to be used along with any of the AC inlet plug.									



