



6.Load regulation is measured from 10% to 100% rated load

■ 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



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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 SUI	PPLY MAIN BODY ORDER NO.	GE12I05-P1J	GE12I07-P1J	GE12I09-P1J	GE12I12-P1J	GE12I15-P1J	GE12I18-P1J	GE12I24-P1J		
ОИТРИТ	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		•		
	VOLTAGE RANGE	90 ~ 264VAC 135 ~ 370VDC								
	FREQUENCY RANGE	47 ~ 63Hz								
INPUT	EFFICIENCY (Typ.)	74%	77%	79%	81%	82%	83%	83%		
INPUI	AC CURRENT	0.4A / 100VAC	0.25A / 230VAC							
	INRUSH CURRENT (max.)	COLD START 40								
	LEAKAGE CURRENT (max.)	0.25mA/240VAC								
	OVERLOAD	110% ~ 200% rated output power								
DOTECTION	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed								
PROTECTION	OVER VOLTAGE	115% ~ 135%								
	OVER VOLIAGE	Protection type : Clamp by zener diode								
	WORKING TEMP.	-10 ~ +50°C (Refer to "Derating Curve")								
	WORKING HUMIDITY	20% ~ 90% RH no								
ENVIRONMENT	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 STANDARDS	UL60950-1, CSA C22.2, TUV EN60950 -1, CCC GB4943 approved								
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:4242VDC								
EMC	ISOLATION RESISTANCE	! I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH								
LIVIC	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								
	LIFE	2 years : 100% load 30°C, 8 hours / day								
OTHERS	MTBF	100Khrs min. MIL-HDBK-217F (25°C)								
	DIMENSION	70.7*40*38.8mm (L*W*H)								
	PACKING	97g; 60pcs / 6.88kg / CARTON								
DC OUTPUT	PLUG	Standard type P1	J: 2.1ϕ * 5.5ϕ * 11	mm turning fork ty	pe, center positive	for stock; Other t	ype available by cu	stomer requeste		
CONNECTOR	CABLE	See page2								
NOTE	2.DC voltage: The output volt 3.Ripple & noise are measure 4.Tolerance: includes set up	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.								

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.



