



■ Features :

- Interchangeable AC plugs (plug kit sold separately)
- Universal AC input / Full range
- No load power consumption < 0.3W/230VAC
- Meet energy star level V for full series
- Meet EISA 2007 (Energy Independence and Security Act)
- 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

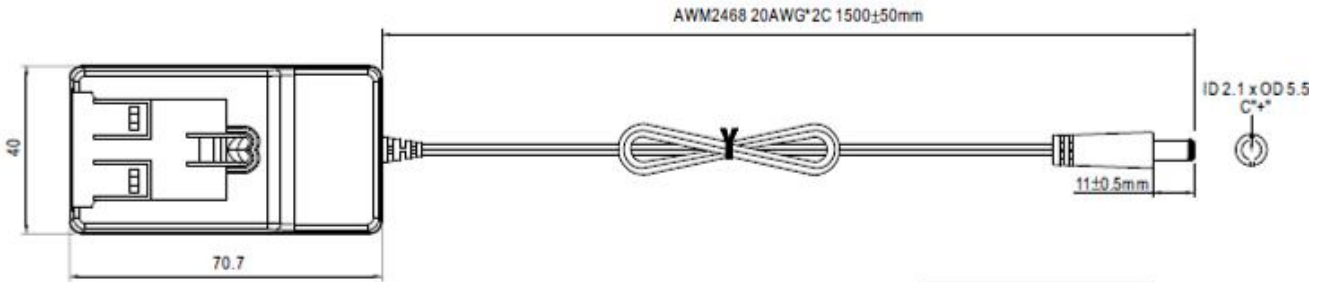
AC INLET PLUG



TYPE								
ORDER NO.	AC plug-AU	AC plug-UK	AC plug-EU	AC plug-US	AC plug-Mix			
<b>SPECIFICATION</b>								
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	
	DC VOLTAGE <small>Note.2</small>	5V	7.5V	9V	12V	15V	18V	
	RATED CURRENT	2.0A	1.33A	1.33A	1.0A	0.8A	0.625A	
	CURRENT RANGE	0 ~ 2.0A	0 ~ 1.33A	0 ~ 1.33A	0 ~ 1.0A	0 ~ 0.8A	0 ~ 0.625A	
	RATED POWER	10W	10W	12W	12W	12W	15W	
	RIPPLE & NOISE (max.) <small>Note.3</small>	50mVp-p	75mVp-p	100mVp-p	100mVp-p	150mVp-p	180mVp-p	
	VOLTAGE TOLERANCE <small>Note.4</small>	±5.0%	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	
	LINE REGULATION <small>Note.5</small>	±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%	
	SETUP, RISE, HOLD UP TIME	4000ms, 100ms, 30ms / 230VAC	4000ms, 100ms, 30ms / 230VAC	4000ms, 100ms, 10ms / 115VAC at full load	4000ms, 100ms, 10ms / 115VAC at full load	4000ms, 100ms, 10ms / 115VAC at full load	4000ms, 100ms, 10ms / 115VAC at full load	4000ms, 100ms, 10ms / 115VAC at full load
INPUT	VOLTAGE RANGE	90 ~ 264VAC	135 ~ 370VAC	135 ~ 370VAC	135 ~ 370VAC	135 ~ 370VAC	135 ~ 370VAC	
	FREQUENCY RANGE	47 ~ 63Hz	47 ~ 63Hz	47 ~ 63Hz	47 ~ 63Hz	47 ~ 63Hz	47 ~ 63Hz	
	EFFICIENCY (Typ.)	70%	75%	75%	76%	76%	78%	
	AC CURRENT	0.4A / 100VAC	0.24A / 230VAC	0.24A / 230VAC	0.24A / 230VAC	0.24A / 230VAC	0.24A / 230VAC	0.24A / 230VAC
	INRUSH CURRENT (max.)	COLD START: 100mA / 100VAC	80A / 230VAC	80A / 230VAC	80A / 230VAC	80A / 230VAC	80A / 230VAC	80A / 230VAC
PROTECTION	OVERLOAD	110% / 230VAC, 30min	110% / 230VAC, 30min	110% / 230VAC, 30min	110% / 230VAC, 30min	110% / 230VAC, 30min	110% / 230VAC, 30min	
	OVER VOLTAGE	135% / 230VAC, 30min	135% / 230VAC, 30min	135% / 230VAC, 30min	135% / 230VAC, 30min	135% / 230VAC, 30min	135% / 230VAC, 30min	
ENVIRONMENT	WORKING TEMP.	0 ~ +50°C (Refer to output load operating curve)	0 ~ +50°C (Refer to output load operating curve)	0 ~ +50°C (Refer to output load operating curve)	0 ~ +50°C (Refer to output load operating curve)	0 ~ +50°C (Refer to output load operating curve)	0 ~ +50°C (Refer to output load operating curve)	
	WORKING HUMIDITY	20% ~ 90% RH non-condensing	20% ~ 90% RH non-condensing	20% ~ 90% RH non-condensing	20% ~ 90% RH non-condensing	20% ~ 90% RH non-condensing	20% ~ 90% RH non-condensing	
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH	-20 ~ +85°C, 10 ~ 95% RH	-20 ~ +85°C, 10 ~ 95% RH	-20 ~ +85°C, 10 ~ 95% RH	-20 ~ +85°C, 10 ~ 95% RH	-20 ~ +85°C, 10 ~ 95% RH	
	TEMP. COEFFICIENT	±0.03% / °C (0 ~ 40°C)	±0.03% / °C (0 ~ 40°C)	±0.03% / °C (0 ~ 40°C)	±0.03% / °C (0 ~ 40°C)	±0.03% / °C (0 ~ 40°C)	±0.03% / °C (0 ~ 40°C)	
	VIBRATION	10 ~ 500Hz, 2G, 10min/cycle, period for 60min. each along X, Y, Z axes	10 ~ 500Hz, 2G, 10min/cycle, period for 60min. each along X, Y, Z axes	10 ~ 500Hz, 2G, 10min/cycle, period for 60min. each along X, Y, Z axes	10 ~ 500Hz, 2G, 10min/cycle, period for 60min. each along X, Y, Z axes	10 ~ 500Hz, 2G, 10min/cycle, period for 60min. each along X, Y, Z axes	10 ~ 500Hz, 2G, 10min/cycle, period for 60min. each along X, Y, Z axes	10 ~ 500Hz, 2G, 10min/cycle, period for 60min. each along X, Y, Z axes
SAFETY & EMC	SAFETY STANDARDS	UL60950-1, EN60950-1, EN60950-1, CCC GB4943 approved	UL60950-1, EN60950-1, EN60950-1, CCC GB4943 approved	UL60950-1, EN60950-1, EN60950-1, CCC GB4943 approved	UL60950-1, EN60950-1, EN60950-1, CCC GB4943 approved	UL60950-1, EN60950-1, EN60950-1, CCC GB4943 approved	UL60950-1, EN60950-1, EN60950-1, CCC GB4943 approved	
	WITHSTAND VOLTAGE	IP-20, 242VDC	IP-20, 242VDC	IP-20, 242VDC	IP-20, 242VDC	IP-20, 242VDC	IP-20, 242VDC	
	ISOLATION RESISTANCE	IP-20, 10M Ohms / 500VDC / 25°C / 70% RH	IP-20, 10M Ohms / 500VDC / 25°C / 70% RH	IP-20, 10M Ohms / 500VDC / 25°C / 70% RH	IP-20, 10M Ohms / 500VDC / 25°C / 70% RH	IP-20, 10M Ohms / 500VDC / 25°C / 70% RH	IP-20, 10M Ohms / 500VDC / 25°C / 70% RH	
	EMI CONDUCTION & RADIATION	EN55022 class B, EN55022 class B, GB9254 class B	EN55022 class B, EN55022 class B, GB9254 class B	EN55022 class B, EN55022 class B, GB9254 class B	EN55022 class B, EN55022 class B, GB9254 class B	EN55022 class B, EN55022 class B, GB9254 class B	EN55022 class B, EN55022 class B, GB9254 class B	
	HARMONIC CURRENT	EN61000-3-2,3	EN61000-3-2,3	EN61000-3-2,3	EN61000-3-2,3	EN61000-3-2,3	EN61000-3-2,3	
OTHERS	EMIS IMMUNITY	EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A	EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A	EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A	EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A	EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A	EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A	
	LIFE	100Khrs min. 100% load 30°C, 8 hours / day	100Khrs min. 100% load 30°C, 8 hours / day	100Khrs min. 100% load 30°C, 8 hours / day	100Khrs min. 100% load 30°C, 8 hours / day	100Khrs min. 100% load 30°C, 8 hours / day	100Khrs min. 100% load 30°C, 8 hours / day	
	MTBF	100Khrs min. MIL-HDBK-217F (25°C)	100Khrs min. MIL-HDBK-217F (25°C)	100Khrs min. MIL-HDBK-217F (25°C)	100Khrs min. MIL-HDBK-217F (25°C)	100Khrs min. MIL-HDBK-217F (25°C)	100Khrs min. MIL-HDBK-217F (25°C)	
	DIMENSION	70.7*40*38.8mm (L*W*H)	70.7*40*38.8mm (L*W*H)	70.7*40*38.8mm (L*W*H)	70.7*40*38.8mm (L*W*H)	70.7*40*38.8mm (L*W*H)	70.7*40*38.8mm (L*W*H)	
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	Standard type P1J: 2.1φ * 5.5φ * 11mm turning fork type, center positive for stock ; Other type available by customer requested	Standard type P1J: 2.1φ * 5.5φ * 11mm turning fork type, center positive for stock ; Other type available by customer requested	Standard type P1J: 2.1φ * 5.5φ * 11mm turning fork type, center positive for stock ; Other type available by customer requested	Standard type P1J: 2.1φ * 5.5φ * 11mm turning fork type, center positive for stock ; Other type available by customer requested	Standard type P1J: 2.1φ * 5.5φ * 11mm turning fork type, center positive for stock ; Other type available by customer requested	
	CABLE	See page2	See page2	See page2	See page2	See page2	See page2	
NOTE	<p>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 &amp; 50% load.                  3. Ripple &amp; noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf &amp; 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.</p>							

■ Mechanical Specification

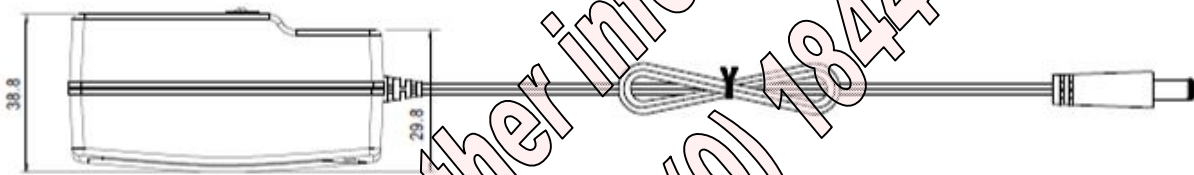
Unit:mm



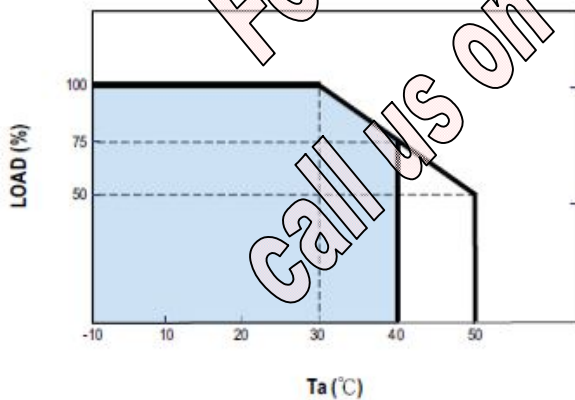
■ Plug Assignment

Standard Plug: P1 (Option)

PLUG	OUTPUT
COMMON	+



■ Derating Curve



■ Static Characteristics

