



■ Features :

- Universal AC input / Full range
- With EURO type 6 FT power cord(2pin)
- Class II power (without earth pin)
- Protections: Short circuit / Over load / Over voltage / Over temp.
- No load power consumption <1.0W
- Fully enclosed plastic case
- Suitable for lead-acid and Li-ion battery
- 2 colors LED indicate for charging status
- TUV / CB / CE / FCC
- 2 year warranty



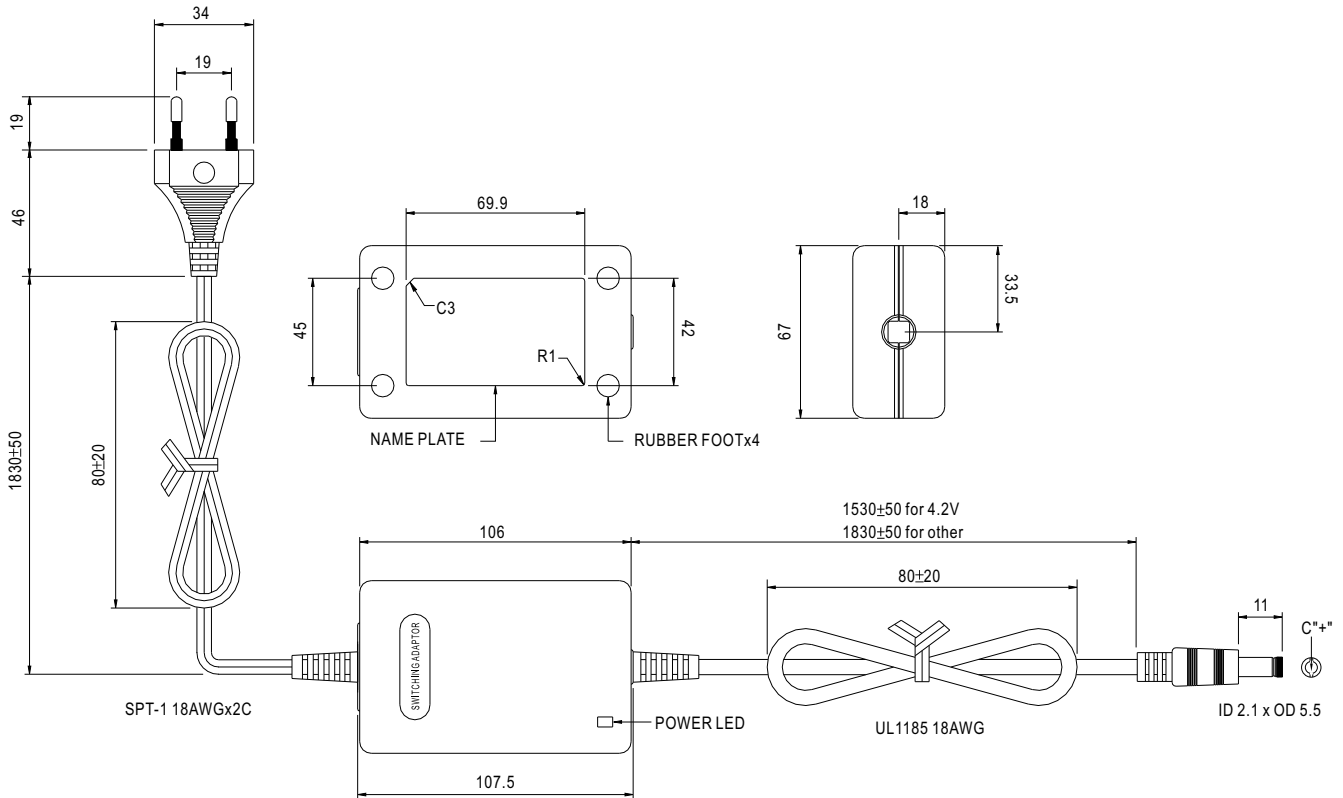
Pending

SPECIFICATION

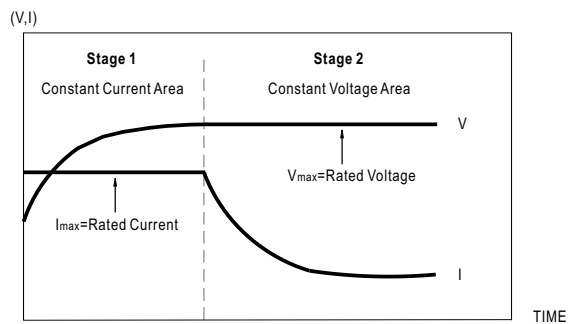
ORDER NO.		GC30E-0P1J	GC30E-1P1J	GC30E-11P1J	GC30E-2P1J	GC30E-4P1J	GC30E-5P1J	GC30E-6P1J
OUTPUT	SAFETY MODEL NO.	GC30E-0	GC30E-1	GC30E-11	GC30E-2	GC30E-4	GC30E-5	GC30E-6
	DC VOLTAGE <small>Note.2</small>	4.2V	5.6V	7.2V	8.4V	14.3V	16.8V	28.6V
	RATED CURRENT	4A	4A	3A	3A	2.1A	1.6A	1.04A
	CURRENT RANGE	0 ~ 4A	0 ~ 4A	0 ~ 3A	0 ~ 3A	0 ~ 2.1A	0 ~ 1.6A	0 ~ 1.04A
	RATED POWER	16.8W	22.4W	21.6W	25.2W	30.03W	26.88W	29.74W
	RIPPLE & NOISE (max.) <small>Note.3</small>	50mVp-p	50mVp-p	80mVp-p	80mVp-p	120mVp-p	100mVp-p	150mVp-p
	VOLTAGE ADJ. RANGE	Fixed						
	VOLTAGE TOLERANCE <small>Note.4</small>	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±3.0%
	LINE REGULATION <small>Note.5</small>	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
INPUT	LOAD REGULATION <small>Note.6</small>	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±3.0%
	SETUP, RISE, HOLD TIME	200ms, 50ms, 16ms at full load						
	VOLTAGE RANGE	90 ~ 264VAC 127 ~ 370VDC						
	FREQUENCY RANGE	47 ~ 63Hz						
	EFFICIENCY (Typ.)	65%	70%	74%	76%	78%	78%	80%
	AC CURRENT	1A / 100VAC						
PROTECTION	INRUSH CURRENT (max.)	40A / 230VAC						
	LEAKAGE CURRENT(max.)	0.25mA / 240VAC						
	OVER LOAD	95 ~ 100% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed						
OVER VOLTAGE		110 ~ 135% rated output voltage Protection type : Clamp by zener diode						
OVER TEMPERATURE		IC1Tj130℃ Protection type : Shut down o/p voltage, recovers automatically after temperature goes down						
ENVIRONMENT	WORKING TEMP.	0 ~ +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% / °C (0 ~ 50℃)						
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes						
SAFETY & EMC <small>(Note. 7)</small>	SAFETY STANDARDS	TUV EN60950-1 Pending						
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC						
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC						
	EMI CONDUCTION & RADIATION	Compliance to EN55022 class B, FCC part 15 Class B						
	HARMONIC CURRENT	Compliance to EN61000-3-2,3						
OTHERS	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,11, Light industry level, criteria A						
	MTBF	-----						
	DIMENSION	108*67*36mm (L*W*H)						
CONNECTOR	PACKING	-----						
	PLUG	Standard type P1J: 2.1φ * 5.5φ * 11mm, tuning fork type center positive for stock ; Other type available by customer requested						
NOTE	CABLE	Standard type 18Awg UL1185 6ft and 5ft for 4.2V output only for stock ; Other type available by customer requested						
		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 0% to 100% rated load 7.The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.						

Mechanical Specification

Unit:mm



Charging Curve

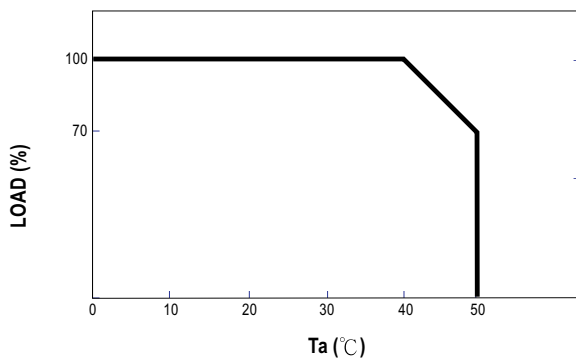


Plug Assignment

Standard plug: P1J (option)

P1J	
P/N	OUTPUT
CENTER	+

Derating Curve



Static Characteristics

