



5.1 ~ 15W AC-DC Single Output Wall-mounted type

GC15U series



■ Features :

- Universal AC input / Full range
- 2 pole USA plug
- Class II power (without earth pin)
- Protections: Short circuit / Overload / Over voltage
- No load power consumption <1.0W
- Pass LPS
- Fully enclosed plastic case
- UL / CUL / CE / FCC
- 1 year warranty

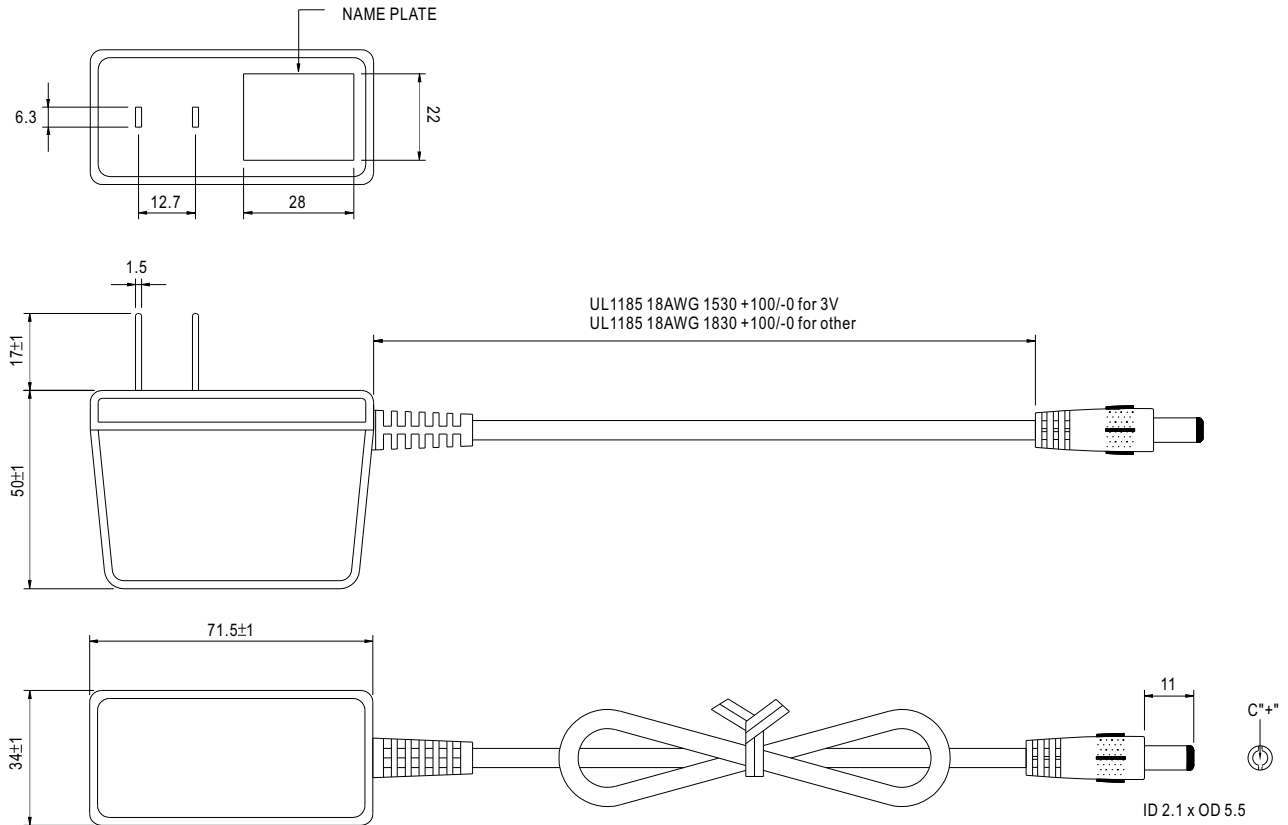


SPECIFICATION

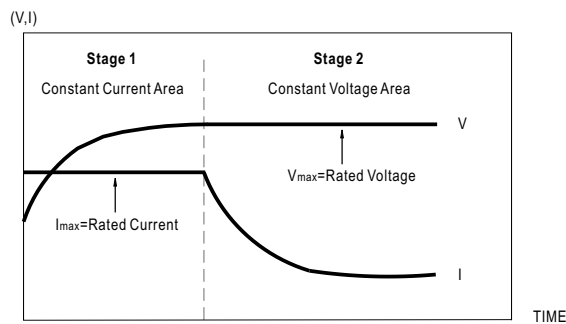
ORDER NO.		GC15U-0P1J	GC15U-1P1J	GC15U-11P1J	GC15U-2P1J	GC15U-4P1J
OUTPUT	SAFETY MODEL NO.	GPSU15U-0-CC	GPSU15U-1-CC	GPSU15U-1-1-CC	GPSU15U-2-CC	GPSU15U-4-CC
	DC VOLTAGE <small>Note.2</small>	3V	5.6V	7.2V	8.4V	14.4V
	RATED CURRENT	1.7A	2A	1.66A	1.78A	1.04A
	CURRENT RANGE	0 ~ 1.7A	0 ~ 2A	0 ~ 1.66A	0 ~ 1.78A	0 ~ 1.04A
	RATED POWER	5.1W	11.2W	12W	15W	15W
	RIPPLE & NOISE (max.) <small>Note.3</small>	50mVp-p	50mVp-p	80mVp-p	80mVp-p	120mVp-p
	VOLTAGE ADJ. RANGE	Fixed				
	VOLTAGE TOLERANCE <small>Note.4</small>	±10%	±10%	±5.0%	±3.0%	±3.0%
	LINE REGULATION <small>Note.5</small>	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION <small>Note.6</small>	±10%	±10%	±5.0%	±3.0%	±3.0%
	SETUP, RISE, HOLD UP TIME	3000ms, 50ms, 16ms at full load				
INPUT	VOLTAGE RANGE	90 ~ 264VAC 127 ~ 370VDC				
	FREQUENCY RANGE	47 ~ 63Hz				
	EFFICIENCY (Typ.) <small>Note.7</small>	55%	65%	76%	78%	78%
	AC CURRENT	0.5A / 100VAC				
	INRUSH CURRENT (max.)	40A / 230VAC				
	LEAKAGE CURRENT(max.)	0.25mA / 240VAC				
PROTECTION	OVERLOAD	110 ~ 150% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed				
	OVER VOLTAGE	>120% rated output voltage Protection type : Clamp by zener diode				
	WORKING TEMP.	0 ~ +50°C (Refer to output load derating curve)				
ENVIRONMENT	WORKING HUMIDITY	20% ~ 90% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH				
	TEMP. COEFFICIENT	±0.03% / °C (0 ~ 50°C)				
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes				
SAFETY & EMC (Note. 8)	SAFETY STANDARDS	UL60950-1, CSA22.2 approved				
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC				
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH				
	EMI CONDUCTION & RADIATION	Compliance to EN55022 class B, FCC part 15 Class B				
	HARMONIC CURRENT	Compliance to EN61000-3-2,3				
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,11, light industry level, criteria A				
OTHERS	MTBF	500Khrs min. MIL-HDBK-217F(25°C)				
	DIMENSION	34*71*50mm (L*W*H)				
	PACKING	160g ; 84pcs / 15Kg / CARTON				
CONNECTOR	PLUG	Standard type P1J: 2.1φ * 5.5φ * 11mm, turing fork type center positive for stock ; Other type available by customer requested				
	CABLE	Standard type 18Awg UL1185 6ft (5ft for 3V output) for stock ; Other type available by customer requested				
NOTE		1.All parameters are specified at 115VAC input, rated load, 25°C 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.Efficiency is measured at 115VAC. 8.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

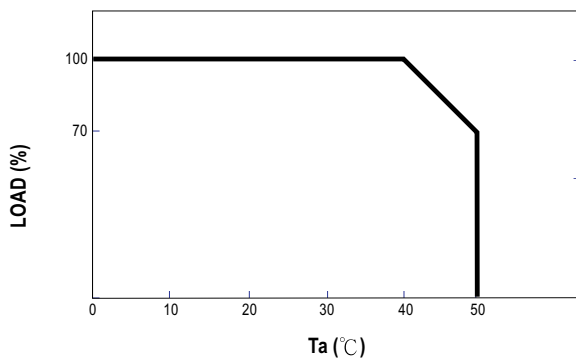


Plug Assignment

Standard plug: P1J (option)

P1J	
P/N	OUTPUT
CENTER	+

Derating Curve



Static Characteristics

