



## 3 ~ 6W AC-DC Single Output Wall-mounted type

## GC06U series



### ■ Features :

- Universal AC input / Full range
- No load power consumption <0.5W
- 2 pole USA plug
- Class II power ( without earth pin)
- Protections: Short circuit / Overload / Over voltage
- Pass LPS
- Fully enclosed plastic case
- Approvals: FCC / CE
- 1 year warranty

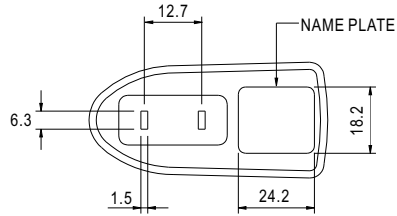


### SPECIFICATION

ORDER NO.		GC06U-0P1J	GC06U-1P1J	GC06U-11P1J	GC06U-2P1J	GC06U-4P1J
OUTPUT	SAFETY MODEL NO.	GPSU06U-0-CC	GPSU06U-1-CC	GPSU06U-1-1-CC	GPSU06U-2-CC	GPSU06U-4-CC
	DC VOLTAGE                      Note.2	3V	5.6V	7.2V	8.4V	14.3V
	RATED CURRENT	1A	0.89A	0.83A	0.71A	0.41A
	CURRENT RANGE	0 ~ 1A	0 ~ 0.89A	0 ~ 0.83A	0 ~ 0.71A	0 ~ 0.41A
	RATED POWER	3W	5W	6W	6W	6W
	RIPPLE & NOISE (max.)   Note.3	50mVp-p	50mVp-p	80mVp-p	80mVp-p	100mVp-p
	VOLTAGE ADJ. RANGE	Fixed				
	VOLTAGE TOLERANCE   Note.4	±10%	±6.0%	±5.0%	±5.0%	±3.0%
	LINE REGULATION        Note.5	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION        Note.6	±10%	±6.0%	±5.0%	±5.0%	±3.0%
SETUP, RISE, HOLD UP TIME		200ms, 50ms, 16ms at full load				
INPUT	VOLTAGE RANGE	90 ~ 264VAC    135 ~ 370VDC				
	FREQUENCY RANGE	47 ~ 63Hz				
	EFFICIENCY (Typ.)        Note.7	45%	60%	65%	70%	75%
	AC CURRENT	0.3A / 100VAC				
	INRUSH CURRENT (max.)	30A / 230VAC				
	LEAKAGE CURRENT(max.)	0.25mA / 240VAC				
PROTECTION	OVERLOAD	105 ~ 200% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed				
	OVER VOLTAGE	110 ~ 140% rated output voltage Protection type : Clamp by zener diode				
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 (Note. 8)	WITHSTAND VOLTAGE	I/P-O/P:4242VDC				
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25℃ / 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℃)				
	DIMENSION	32*66*42.5mm (L*W*H)				
	PACKING	100g ; 110pcs / 12Kg / CARTON				
CONNECTOR	PLUG	Standard type P1J: 2.1φ * 5.5φ * 11mm, tuning fork type center positive for stock ; Other type available by customer requested				
	CABLE	Standard type 20Awg UL1185 6ft for stock ; Other type available by customer requested				
NOTE		1.All parameters are specified at 115VAC 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.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

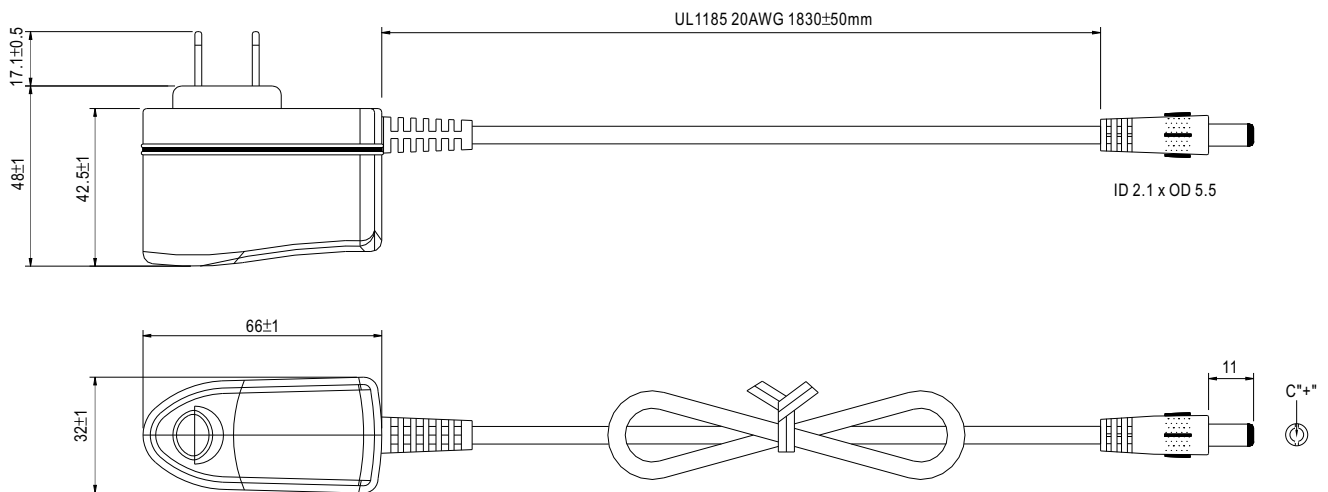
Unit:mm



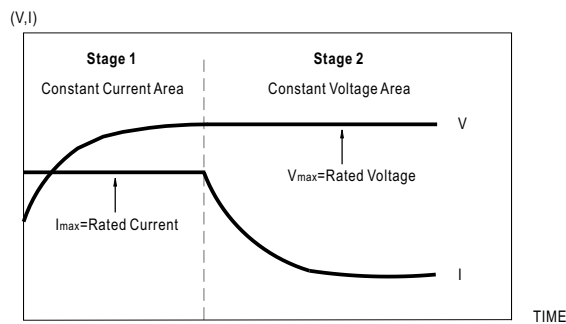
### Plug Assignment

Standard plug: P1J (option)

P1J	
P/N	OUTPUT
CENTER	+



### Charging Curve

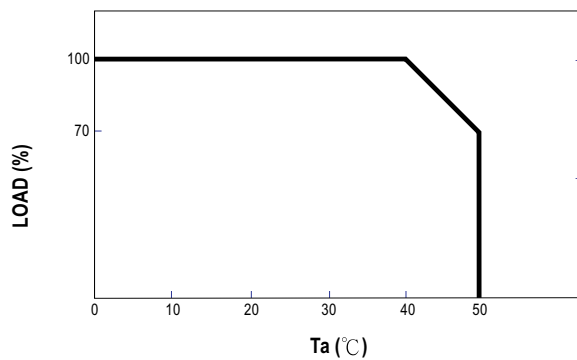


### Plug Assignment

Standard plug: P1J (option)

P1J	
P/N	OUTPUT
CENTER	+

### Derating Curve



### Static Characteristics

