



■ Features :

- 2 stage charging characteristic
- Universal AC input / Full range
- Built-in active PFC function, PF>0.91
- No load power consumption<1W
- 3 pole AC inlet IEC320-C14
- Class I power ( with earth pin)
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Fully enclosed plastic case
- 2 color LED indicator for charging status
- Approvals: UL / CUL / TUV / CB / FCC / CE
- 2 years warranty

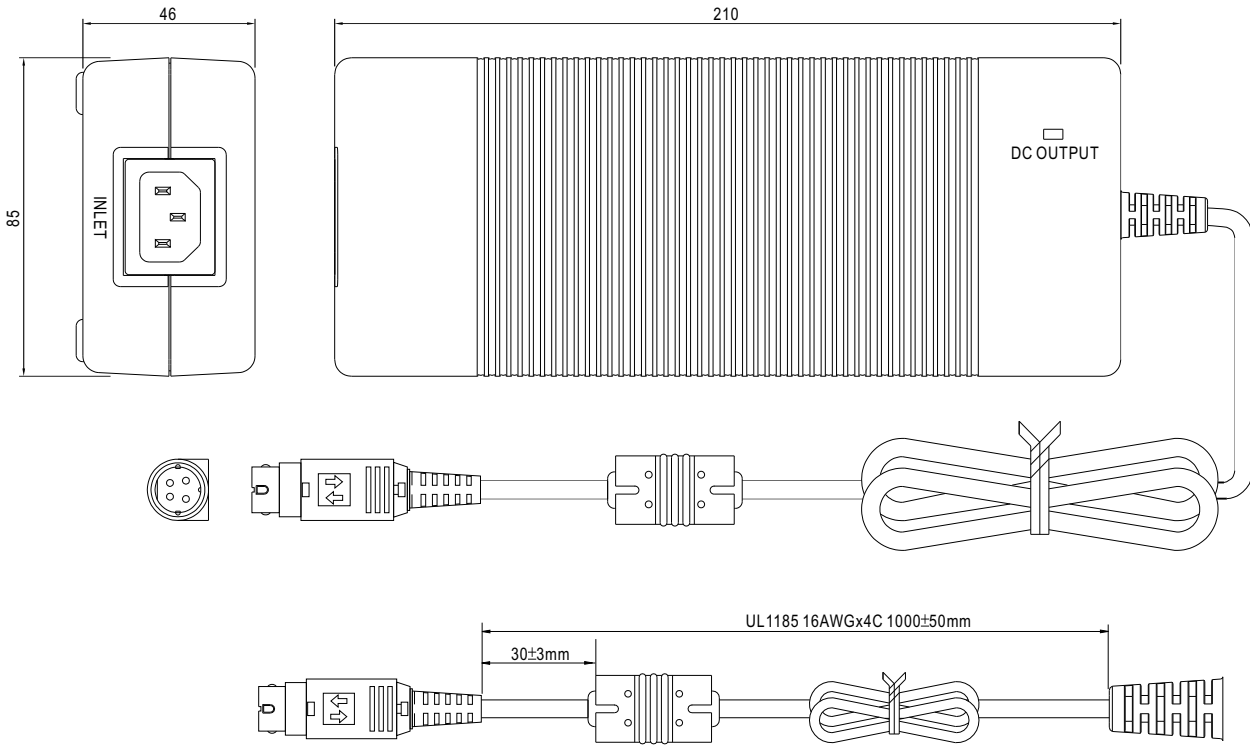


**SPECIFICATION**

ORDER NO.	GC220A12-R7B	GC220A24-R7B	GC220A48-R7B
OUTPUT	SAFETY MODEL NO.	GC220A12	GC220A24
	DC VOLTAGE (Typ.)	13.6V	27.2V
	RECOMMENDED BATTERY CAPACITY <small>Note.2</small>	80 ~ 200Ah	40 ~ 125Ah
	BATTERY TYPE	Open & sealed lead acid	
	CONTINUOUS OUTPUT CURRENT (Typ.)	13.5A	8A
	RATED POWER	183.6W	217.6W
	LED INDICATOR	Charging(CC) : RED Floating charging(CV) : GREEN	
INPUT	VOLTAGE RANGE <small>Note.3</small>	90 ~ 264VAC 127 ~ 370VDC	
	FREQUENCY RANGE	47 ~ 63Hz	
	POWER FACTOR (Typ.)	PF>0.91 / 230VAC PF>0.98 / 115VAC at full load	
	EFFICIENCY (Typ.)	89%	92.5%
	AC CURRENT	4A / 115VAC 2A / 230VAC	
	INRUSH CURRENT (max.)	120A / 230VAC	
LEAKAGE CURRENT(max.)	1.5mA / 240VAC		
PROTECTION	OVERLOAD <small>Note.4</small>	90 ~ 110% rated output power Protection type : Constant current limiting recovers automatically after fault condition is removed	
	SHORT CIRCUIT	Protection type : Hiccup mode, recovers automatically after fault condition is removed	
	OVER VOLTAGE	105 ~ 135% rated output voltage Protection type : Shut down o/p voltage, re-power on to recover	
	OVER TEMPERATURE	95°C ±10°C (TSW1) detect on heatsink of power transistor Protection type : Shut down o/p voltage, recovers automatically after temperature goes down	
ENVIRONMENT	WORKING TEMP.	-10 ~ +60°C (Refer to output load derating curve)	
	WORKING HUMIDITY	20% ~ 90% RH non-condensing	
	STORAGE TEMP., HUMIDITY	-40 ~ +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 <small>(Note. 5)</small>	SAFETY STANDARDS	UL1012, EN60950-1 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 / CISPR22 class B	
	HARMONIC CURRENT	Compliance to EN61000-3-2,3	
OTHERS	MTBF	190Khrs min. MIL-HDBK-217F(25°C)	
	DIMENSION	210*85*46mm (L*W*H)	
	PACKING	1.1Kg; 12pcs/14.2Kg/0.73CUFT	
	PLUG	See page 2 ; Other type available by customer requested	
CONNECTOR	CABLE	See page 2 ; Other type available by customer requested	
	NOTE	<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>2. This is MeanWell's suggested range, please consult your battery manufacturer for their suggestions about maximum charging current limitation.</li> <li>3. Derating may be needed under low input voltage. Please check the derating curve for more details.</li> <li>4. Constant current operation region is within 50~100% rated output voltage.</li> <li>5. 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.</li> </ol>	

**Mechanical Specification**

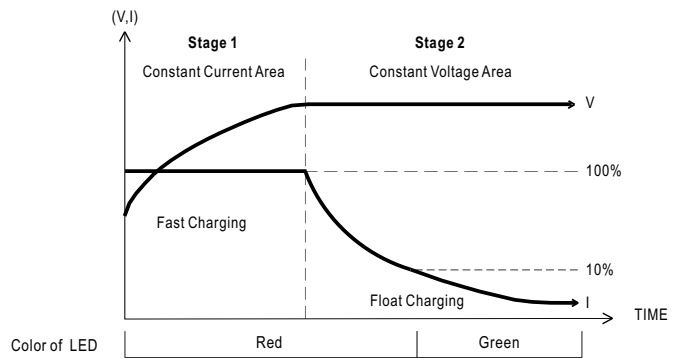
Case No.961A Unit:mm



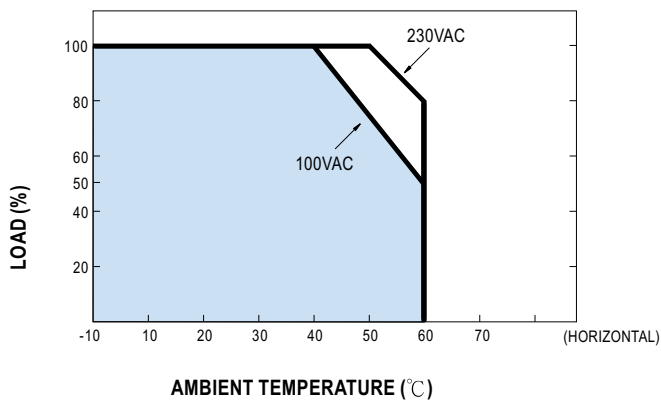
**Plug Assignment**

PIN NO.	OUTPUT
1,4	+V
2,3	-V

**Charging Curve**



**Derating Curve**



**Static Characteristics**

