



Features:

- · 2 stage charging characteristic
- Universal AC input / Full range
- Built-in active PFC function, PF>0.90
- 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: TUV / UL / CB / FCC / CE
- · 2 years warranty







ORDER NO.	OUTPUT CONNECTOR	SAFETY			
GC220Axx-R7B (standard model)	4pin power din	TUV / CB / FCC / CE			
GC220Axx-AD1 (optional model)	Anderson connector	UL/TUV/CB/FCC/CE			
GC220Axx-□ xx=12,24,48; □=R7B,AD1					

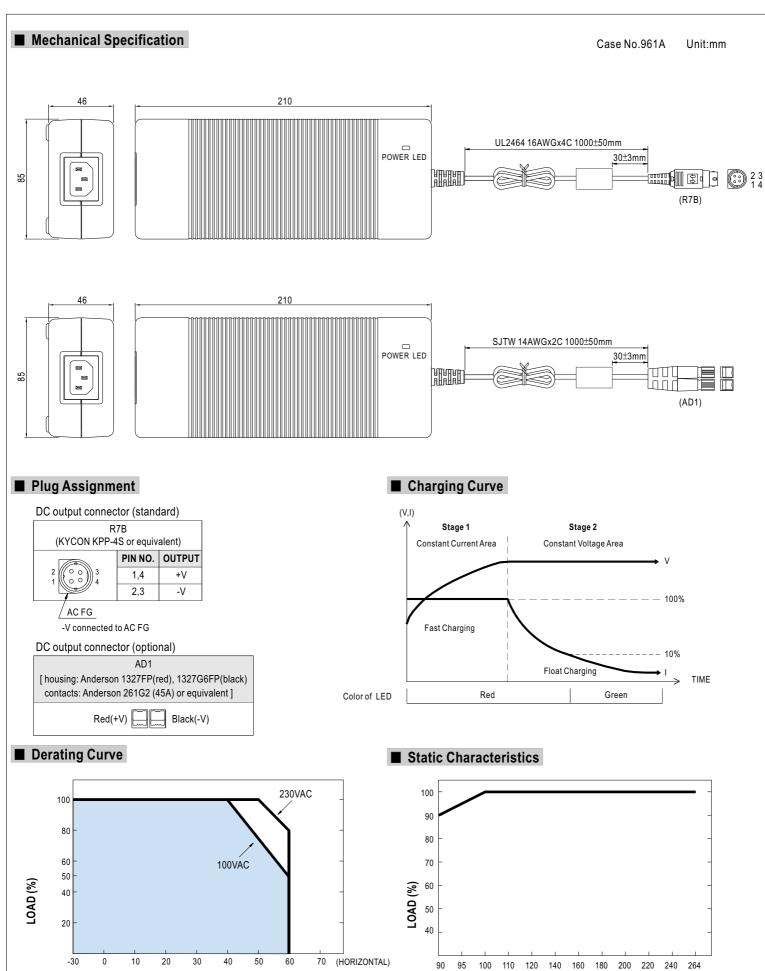
SPECIFICATION

ORDER NO.		GC220A12-	GC220A24-	GC220A48-		
OUTPUT -	SAFETY MODEL NO.	GC220A12	GC220A24	GC220A48		
	DC VOLTAGE (Typ.)	13.6V	27.2V	54.4V		
	RECOMMENDED BATTERY CAPACITY Note.2	80 ~ 200Ah	40 ~ 125Ah	20 ~ 65Ah		
	CONTINUOS OUTPUT CURRENT (Typ.)	13.5A	8A	4A		
	RATED POWER	183.6W	217.6W	217.6W		
	LED INDICATOR	Charging(CC) : RED Floating charging(CV) : GREEN				
INPUT	VOLTAGE RANGE Note.3	90 ~ 264VAC 127 ~ 370VDC				
	FREQUENCY RANGE	47 ~ 63Hz				
	POWER FACTOR (Typ.)	PF>0.90 / 230VAC PF>0.98 / 115VAC at full load				
	EFFICIENCY (Typ.)	89%	92.5%	93%		
	AC CURRENT	4A / 115VAC 2A / 230VAC				
	INRUSH CURRENT (max.)	120A / 230VAC				
	LEAKAGE CURRENT(max.)	1.5mA / 240VAC				
	OVERLOAD Note 4	90 ~ 110% rated output power				
	OVERLOAD Note.4	Protection type : Constant current limiting recovers automatically after fault condition is removed				
PROTECTION	SHORT CIRCUIT	Protection type : Hiccup mode, recovers automatically after fault condition is removed				
	OVER VOLTAGE	105 ~ 135% rated output voltage				
	OVER VOLIAGE	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				
	OVER TEINFERATURE	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down				
ENVIRONMENT	WORKING TEMP.	-30 ~ +60 °C (Refer to "Derating Curve")				
	WORKING HUMIDITY	20% ~ 90% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-40 ~ +85℃, 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 STANDARDS	UL1012 (for GC220Axx-AD1 only), TUV EN60950-1 approved				
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P: 3KVAC				
EMC (Note. 5)	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25℃ / 70% RH				
	EMC EMISSION	Compliance to EN55022 class B, FCC PART 15 class B / CISPR22 class B, EN61000-3-2,3				
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A				
OTHERS	MTBF	190Khrs min. MIL-HDBK-217F(25℃)				
	DIMENSION	210*85*46mm (L*W*H)				
	PACKING	1.1Kg; 12pcs/14.2Kg/0.73CUFT(GC220Axx-R7B) 1.2Kg; 12pcs/15.4Kg/1CUFT(GC220Axx-AD1)				
CONNECTOR -	PLUG	See page 2; Other type available by customer requested				
	CABLE	See page 2; Other type available by customer requested				
NOTE	This is MeanWell's sugges Derating may be needed u Constant current operation	cially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. ested range, please consult your battery manufacturer for their suggestions about maximum charging current limitation. If under low input voltage. Please check the derating curve for more details. If on region is within 50~100% rated output voltage.				

5. The power supply is considered as an independent unit, but the final equipment still need to re-confirm that whole system complies with the EMC directives.

AMBIENT TEMPERATURE (°C)





INPUT VOLTAGE (VAC) 60Hz