



■ GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

■ Features :

- · Charger for lead-acid batteries (flooded,Gel and AGM) and Li-ion batteries (lithium iron and lithium manganese) (Note.1)
- 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: UL / TUV / EAC / CB / FCC / CE / UKCA
- 2 years warranty





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

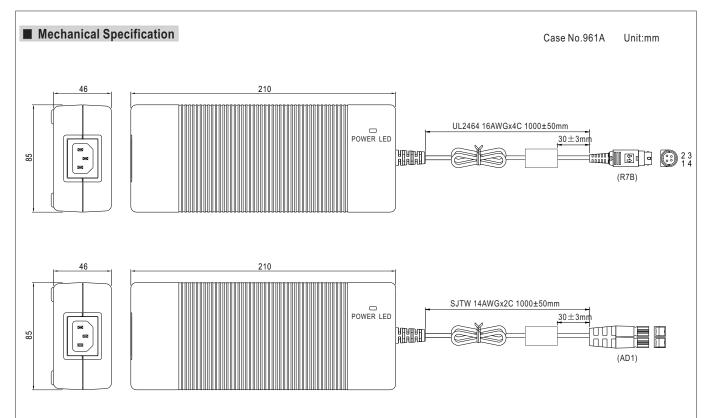
SPECIFICATION

ORDER NO.		GC220A12-	GC220A24-	GC220A48-	
	SAFETY MODEL NO.	GC220A12	GC220A24	GC220A48	
ОИТРИТ	DC VOLTAGE (Typ.)	13.6V	27.2V	54.4V	
	RECOMMENDED BATTERY CAPACITY Note.3	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			
	VOLTAGE RANGE Note.4	90 ~ 264VAC 127 ~ 370VDC			
	FREQUENCY RANGE	47 ~ 63Hz			
	POWER FACTOR (Typ.)	PF>0.90 / 230VAC PF>0.98 / 115VAC at full load			
INPUT	EFFICIENCY (Typ.)	89%	92.5%	93%	
	AC CURRENT	4A / 115VAC 2A / 230VAC			
	INRUSH CURRENT (max.)	120A / 230VAC			
	LEAKAGE CURRENT(max.)	1.5mA / 240VAC			
		90 ~ 110% rated output power			
	OVERLOAD Note.5	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			
PROTECTION		105 ~ 135% rated output voltage			
	OVER VOLTAGE	Protection type: Shut down o/p voltage, re-power on to recover			
		95°C ±10°C (TSW1) detect on heatsink of power transistor			
	OVER TEMPERATURE	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down			
	WORKING TEMP.	-30 ~ +60 °C (Refer to "Derating Curve")			
	WORKING HUMIDITY	20% ~ 90% RH non-condensing			
ENVIRONMENT	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 STANDARDS	UL1012 (for GC220Axx-AD1 only), TUV BS EN/EN62368-1, EAC TP TC 004 approved			
SAFETY &	WITHSTAND VOLTAGE				
EMC	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH			
(Note. 6)	EMC EMISSION	Compliance to BS EN/EN55032 class B, BS EN/EN61000-3-2,3, FCC PART 15 / CISPR22 class B, CAN ICES-3(B)-NMB-(B), EAC TP TC 020			
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, light industry level, EAC TP TC 020			
OTHERS	MTBF	1557.3K hrs min. Telcordia SR-332 (Bellcore) ; 170.2K hrs min. MIL-HDBK-217F (25°C)			
	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 custo	omer requested		
CONNECTOR	CABLE	See page 2; Other type available by custo	omer requested		
NOTE	All parameters NOT specially r This is MeanWell's suggested Derating may be needed unde Constant current operation reg The power supply is considere	odification for charger specification may be required for different battery specification. Please contact battery vendor and MEAN WELL for details. I parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. It is is MeanWell's suggested range, please consult your battery manufacturer for their suggestions about maximum charging current limitation. I parameters NOT specially mentioned and please consult your battery manufacturer for their suggestions about maximum charging current limitation. I parameters NOT specially mentioned and please consult your battery manufacturer for their suggestions about maximum charging current limitation. I parameters NOT specially mentioned and please consult your battery manufacturer for their suggestions about maximum charging current limitation. I parameters NOT specially mentioned at 25°C of ambient temperature. I parameters NOT specially mentioned and please consult your battery manufacturer for their suggestions about maximum charging current limitation. I parameters NOT specially mentioned and please consult your battery manufacturer for their suggestions about maximum charging current limitation. I parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. I parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. I parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. I parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. I parameters NOT specially mentioned at 25°C of ambient temperature. I parameters NOT specially mentioned at 25°C of ambient temperature. I parameters NOT specially mentioned at 25°C of ambient temperature. I parameters NOT specially mentioned at 25°C of ambient temperature. I parameters NOT specially mentioned at 25°C of ambient temperature. I parameters NOT specially mentio			

- o. The power supply is considered as an independent unit, but the lintal equipment sum need to re-confirm that whole system compiles with the EMC directives (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf)

 7. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).
- ※ Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx





■ Plug Assignment

DC output connector (standard)

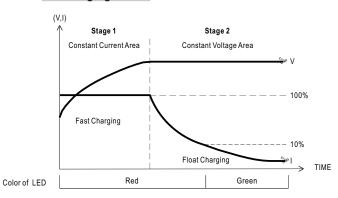


-V connected to AC FG

DC output connector (optional)

AD1		
[housing: Anderson 1327FP(red), 1327G6FP(black)		
contacts: Anderson 261G2 (45A) or equivalent]		
Red(+V) Black(-V)		

■ Charging Curve



Model	Suggested Battery capacity
GC220A12	80-200Ah
GC220A24	40-125Ah
GC220A48	20-65Ah

Suitable for lead-acid batteries (flooded, Gel and AGM) and Li-ion batteries (lithium iron and lithium manganese)



