

E-Star Power Development Co., Ltd. (E-STAR)

1F., No.40, Juren Ln., Sec. 2, Sanmin Rd., Banciao Dist., New Taipei City

22069, Taiwan (R.O.C.)

Phone: 886-2-2957 5580 Fax: 886-2-2957 7473

120W Battery Charger Power supply> GC120



■ 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>0.97
- No load power consumption<0.5W
- * 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 / PSE / TUV / EAC / CB / FCC / CE
- 2 years warranty











ORDER NO.	OUTPUT CONNECTOR	SAFETY
GC120Axx-R7B (standard model)	4pin power din	TUV/CB/FCC/CE/EAC
GC120Axx-AD1 (optional model)	Anderson connector	UL/TUV/CB/FCC/CE/EAC
GC120Axx-□ xx=12,24,48; □=R7E	3,AD1	

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ORDER NO		GC120A12-	GC120A24-	GC120A48-		
оитрит	SAFETY MODEL NO.	GC120A12	GC120A24	GC120A48		
	DC VOLTAGE (Typ.)	13.6V	27.2V	54.4V		
	RECOMMENDED BATTERY CAPACITY Note.3	40 ~ 100Ah	20 ~ 65Ah	10 ~ 35Ah		
	CONTINUOS OUTPUT CURRENT (Typ.)	7.5A	4.42A	2.21A		
	RATED POWER	102W	120.2W	120.2W		
	LED INDICATOR	Charging(CC) : RED Floating charging(CV) : GREEN				
	VOLTAGE RANGE Note.4	85 ~ 264VAC 120 ~ 370VDC				
	FREQUENCY RANGE	47 ~ 63Hz				
	POWER FACTOR (Typ.)	PF>0.97 / 230VAC PF>0.99 / 115VAC at full load				
INPUT	EFFICIENCY (Typ.)	86.5%	90%	91%		
	AC CURRENT	1.4A / 115VAC 0.7A / 230VAC				
	INRUSH CURRENT (max.)	70A / 230VAC				
	LEAKAGE CURRENT(max.)	0.75mA / 240VAC				
	OVERLOAD Note.5	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	OVER VOLTAGE	14 ~ 16.5V	29 ~ 33V	59 ~ 69V		
	OVER VOLIAGE	Protection type : Shut down o/p voltage, re-power on to recover				
	OVER TEMPERATURE	100 °C ± 10 °C (RTH2) detect on inside ambient temperature				
	OVERTEMPERATURE	Protection type: Shut down o/p voltage, re-power on to recover				
ENVIRONMENT :	WORKING TEMP.	-30 ~ +70°C (Refer to "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 STANDARDS	UL1012 (FOR GC120AXX-AD1 Only), TUV EN62368-1, PSE J60950-1, EAC TP TC 004 approved				
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P: 3KVAC				
EMC	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH				
(Note. 6)	EMC EMISSION	Compliance to EN55032 class B, FCC PART 15 / CISPR22 class B, CAN ICES-3(B)/NMB-3(B), EN61000-3-2,3, EAC TP TC 020				
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A, EAC TP TC 020				
OTHERS	MTBF	400.7Khrs min. MIL-HDBK-217F(25°ℂ)				
	DIMENSION	167*67*35mm (L*W*H)				
	PACKING	0.62Kg; 20pcs/13.4Kg/0.95CUFT				
CONNECTOR	PLUG	See page 2; Other type available by customer requested				
O MILEOTO II	CABLE	See page 2; Other type available by customer requested				
NOTE	All parameters NOT specia This is MeanWell's suggest Derating may be needed up Constant current operation	edification may be required for different battery specification. Illy mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. ted range, please consult your battery manufacturer for their suggestions about maximum charging current limitation. Inder low input voltage. Please check the derating curve for more details. region is within 50~100% rated output voltage. Idered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets				

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).



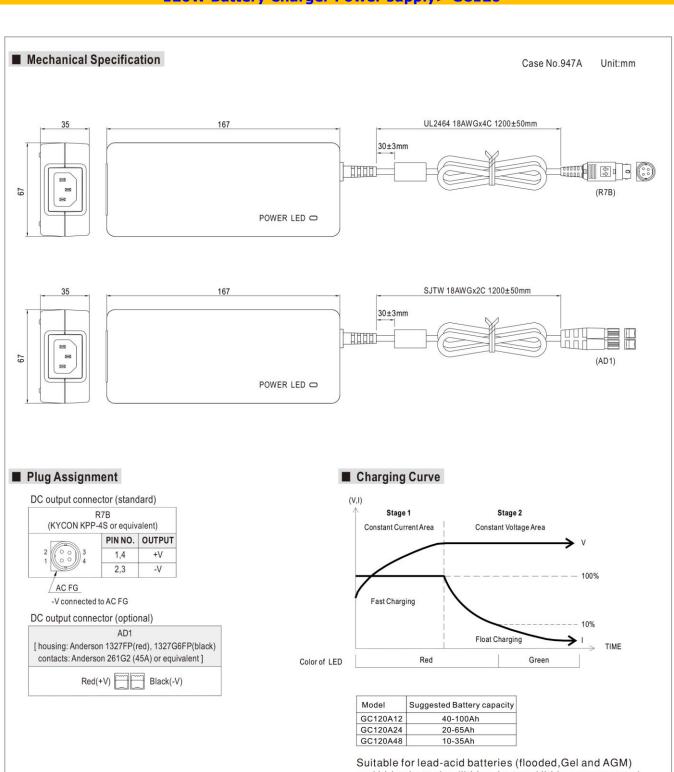
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