

GC330 Series

330W Single Output Battery Charger



Features

- 2 stage charging characteristics
- Universal AC input/Full range
- Built-in active PFC function, PF>0.95
- 3 pole AC inlet IEC320-C14
- Class I power (with earth pin)
- Protections: Short circuit/Overload/Over voltage/Over temp
- Cooling by free air convection
- Fully enclosed plastic case
- No load power consumption <1W--
- 2 colour LED indicator for charging status



Specification

INPUT	Voltage	90V ~ 264VAC universal full range or 127V ~ 370VDC	
	Frequency	47 ----- 63 Hz	
	Current	<4A@115V, 2A@230V AC input, full load condition	
	Inrush Current	<120A@230VAC	
	Power Factor	PF>0.95/230VAC, PF>0.98/115VAC at full load	
	Leakage Current	<1.5mA@240VAC input	
OUTPUT	MODEL No.	GC330A36-C4P	GC330A48-C4P
	DC Voltage (Typ.)	40.8V	54.4V
	Recommended Battery Capacity	20~65Ah	20~65Ah
	Charging Current Range	6.4A~8A	4.8A~6A
	Output Power Range	261.1~326.4W	261.1~326.4W
	LED Indicator	Charging (CC): RED Floating charging (CV): GREEN	
PROTECTION	Over Load	290~360W Constant current limiting recovers automatically after fault condition is removed	
	Over Temperature	100°C±10°C (RTH2) shut down o/p voltage, re-power on to recover	
	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed	
	Over Voltage	105~135% rated output voltage Shut down o/p volyahe, re-power on to recover	
ENVIRONMENT	Temperature	Operating: -30 ~ +60°C ; Storage: -40~ +85°C	
	Humidity	Operating: 20% ~ 90% RH; Storage: 10% ~ 95% RH (non condensing)	
SAFETY	Withstand Voltage	I/P-O/P:3KVAC	
	Isolation Resistance	I/P-O/P 100MΩ/500VDC/25°C/70% RH	
	Safety Standard	UL60950-1, TUV EN60950-1 Approved	
EMC	EMC EMISSION	EN55022 Class B, EN61000-3-2,3, FCC PART 15 Class B/CISPR22 Class B	
	EMC IMMUNITY	EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A	
OTHERS	Cooling	Natural cooling	
	M.T.B.F.	209.4Khrs min. MIL-HDBK-217F (25°C)	
	Packing	1.25Kg; 12pcs/16Kg/1.27 CUFT	

- 1 All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- 2 Derating may be needed under low input voltage. Please check the derating curve for more details
- 3 Constant current operation region is within 50~100% rated output voltage
- 4 The charging current vary with the ambient and components temperature. The lower temperature, the higher the charging current.
- 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.

GC330 Series

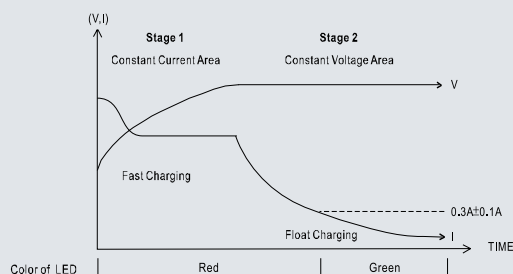
330W Single Output Battery Charger

Plug Assignment

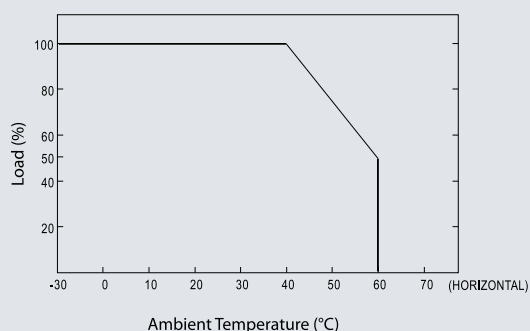
Standard plug: AMP 1-480702-0 or equivalent

C4P		
PIN NO.	OUTPUT	
1,2	+V	
3,4	-V	

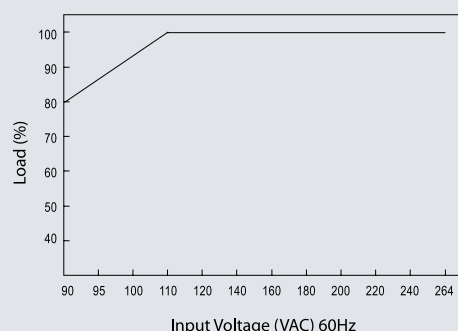
Charging Curve



Derating Curve



Static Characteristics



Dimensions

