



330W Single Output Battery Charger

GC330 series



■ 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>0.95
- 3 pole AC inlet IEC320-C14
- Class I power (with earth pin)
- Protections: Short circuit / Over voltage / Over temperature
- Fanless design, cooling by free air convection
- Fully enclosed plastic case
- No load power consumption<1W
- 2 color LED indicator for charging status
- Approvals : TUV / UL / CUL / CB / FCC / CE
- 2 years warranty



SPECIFICATION

ORDER NO.	GC330A36-C4P	GC330A48-C4P		
OUTPUT	SAFETY MODEL NO.	GC330A36	GC330A48	
	DC VOLTAGE (Typ.)	40.8V	54.4V	
	RECOMMENDED BATTERY CAPACITY Note.3	20 ~ 65Ah	20 ~ 65Ah	
	PEAK CURRENT(Typ.) Note 5	8A	6A	
	CONTINUOUS OUTPUT CURRENT (Typ.) Note 6	6.4A	4.8A	
	OUTPUT POWER RANGE	261.1 ~ 326.4W	261.1 ~ 326.4W	
	LED INDICATOR	Charging(CC) : RED Floating charging(CV) : GREEN		
INPUT	VOLTAGE RANGE Note.4	90 ~ 264VAC 127 ~ 370VDC		
	FREQUENCY RANGE	47 ~ 63Hz		
	POWER FACTOR (Typ.)	PF>0.95 / 230VAC	PF>0.98 / 115VAC at full load	
	EFFICIENCY (Typ.)	93.5%	93.5%	
	AC CURRENT (Typ.)	4A / 115VAC	2A / 230VAC	
	INRUSH CURRENT (max.)	120A / 230VAC		
LEAKAGE CURRENT(max.)	1.5mA / 240VAC			
PROTECTION	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	100°C ± 10°C (RTH2) Protection type : Shut down o/p voltage, re-power on to recover		
ENVIRONMENT	WORKING TEMP.	-30 ~ +60°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 (0~40°C)		
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes		
SAFETY & EMC (Note. 7)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved		
	WITHSTAND VOLTAGE	I/P-O/P: 3KVAC		
	ISOLATION RESISTANCE	I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH		
	EMC EMISSION	Compliance to EN55022 class B, EN61000-3-2,3, FCC PART 15 class B / CISPR22 class B		
EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A			
OTHERS	MTBF	209.4Khrs min. MIL-HDBK-217F(25°C)		
	DIMENSION	220*95*46mm (L*W*H)		
	PACKING	1.25Kg; 12pcs/16Kg/1.27CUFT		
CONNECTOR	PLUG	See page 2		
	CABLE	See page 2		
NOTE	<p>1. Modification for charger specification may be required for different battery specification. Please contact battery vendor and MEAN WELL for details.</p> <p>2. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>3. This is MeanWell's suggested range, please consult your battery manufacturer for their suggestions about maximum charging current limitation.</p> <p>4. Derating may be needed under low input voltage. Please check the derating curve for more details.</p> <p>5. Test condition is at 25°C the charging current vary with the ambient and components temperature. The lower temperature, the higher charging current.</p> <p>6. Maximum charging current will be in the range of 85~110% rated output current.</p> <p>7. 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.</p>			

File Name:GC330-SPEC 2015-12-24

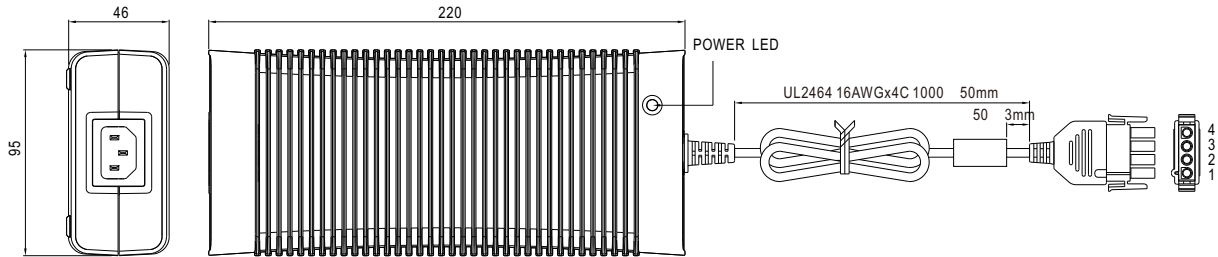


330W Single Output Battery Charger

GC330 series

■ Mechanical Specification

Case No. GS280A Unit:mm



■ Plug Assignment

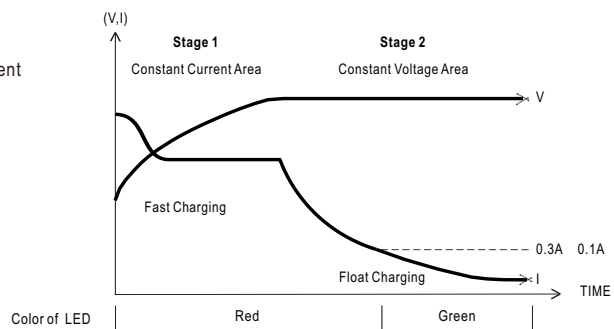
Standard male plug(power supply side): AMP 1-480702-0 equivalent

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

-V connected to AC FG

Female plug(customer side, not provide with the power supply): AMP 1-480703-0 equivalent

■ Charging Curve



Model	Suggested Battery capacity
GC330A36	20-65Ah
GC330A48	20-65Ah

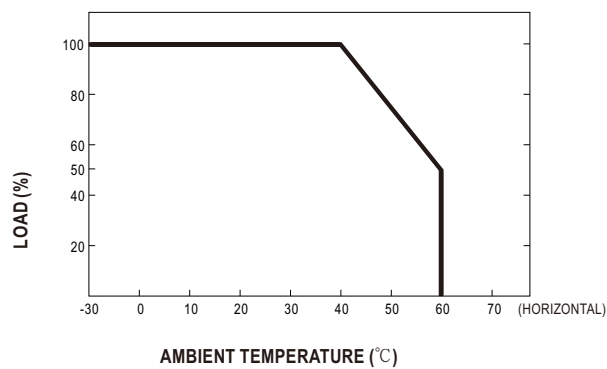
Suitable for lead-acid batteries (flooded, Gel and AGM) and Li-ion batteries (lithium iron and lithium manganese)



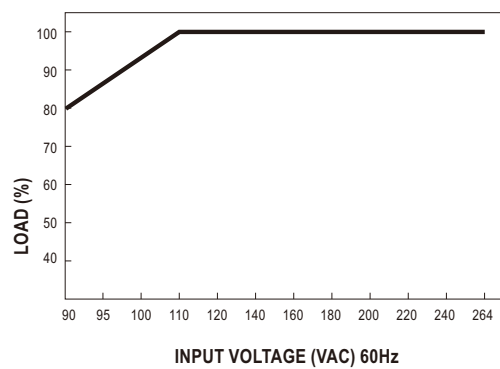
330W Single Output Battery Charger

GC330 series

■ Derating Curve



■ Static Characteristics



File Name:GC330-SPEC 2015-12-24

Headquarter Switzerland:
Pewatron AG
Thurgauerstrasse 66
CH-8050 Zurich
Phone +41 44 877 35 00
info@pewatron.com

Office Germany:
Pewatron Deutschland GmbH
Edisonstraße 16
D-85716 Unterschleißheim
Phone +49 89 374 288 87-0
info.de@pewatron.com



PEWATRON
SENSORS · POWER SOLUTIONS

We are here for you. Addresses and Contacts.

Sales Germany & Austria

Postcode 00000 – 31999
Postcode 38000 – 39999
Postcode 80000 – 99999
Austria

Kurt Stritzelberger

Phone +49 89 260 52 80
Mobile +49 171 803 41 35

kurt.stritzelberger@pewatron.com

Postcode 32000 – 37999
Postcode 40000 – 79999

Gerhard Vetter

Phone +49 674 394 75 75
Mobile +49 163 762 74 30

gerhard.vetter@pewatron.com

Geometrical sensors
Sensor elements

Thorsten Ravagni

Phone +49 60 479 53 627

thorsten.ravagni@pewatron.com

Sales Switzerland & Liechtenstein

Postcode 3000 – 9999

Basil Frei

Phone +41 44 877 35 18
Mobile +41 76 279 37 26

basil.frei@pewatron.com

Postcode 1000 – 2999

Christian Mohrenstecher

Mobile +41 76 444 57 93

christian.mohrenstecher@pewatron.com

Sales International Key Accounts

Peter Felder

Phone +41 44 877 35 05
Mobile +41 79 406 49 83

peter.felder@pewatron.com

Sales Other Countries / Product Management

Pressure Sensors

Philipp Kistler
Phone +41 44 877 35 03
philipp.kistler@pewatron.com

Accelerometers / Level Flow sensor elements

Thorsten Ravagni
Phone +49 60 479 53 627
thorsten.ravagni@pewatron.com

Drive technology CH Postcode 5000 – 9999 / DE

Roman Homa
Mobile +41 76 444 00 86
roman.homa@pewatron.com

Gas sensors / Gas sensor modules Load cells

Dr. Thomas Clausen
Phone +41 44 877 35 13
thomas.clausen@pewatron.com

Power supplies

Sebastiano Leggio
Phone +41 44 877 35 06
sebastiano.leggio@pewatron.com

Drive technology CH Postcode 1000 – 4999 / AT / IT / FR

Christian Mohrenstecher
Mobile +41 76 444 57 93
christian.mohrenstecher@pewatron.com

Flow / Level / Medical products

Dr. Adriano Pittarelli
Phone +49 8245 774 95 44
adriano.pittarelli@pewatron.com

Linear position sensors Angle sensors

Eric Letsch
Phone +41 44 877 35 14
eric.letsch@pewatron.com

Current sensors Power solutions

Osman Coban
Phone +49 71 635 363 898
osman.coban@pewatron.com