



Features



DIMENSIONS : 151(L) x 99(W) x 35(H)mm
WEIGHTS: 500g

- Automatic output protection, no replacement fuse
- Convection cooled
- 100% burn-in test
- 2 years Warranty
- Reverse Polarity Protection
- **Can modify to Li-ion Battery (lithium iron and lithium manganese)**

General specifications

INPUT

Input range	90~264VAC 127~380VDC
Input frequency	47~63Hz
Inrush current (25° C)	20A/110VAC 40A/220VAC

OUTPUT

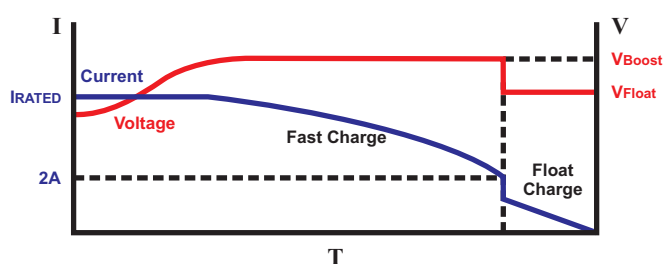
Hold-up time	10mS
Short protection	Relay Open
Overload protection	Automatic power limited
2 Steps Automatic Charging Control	

Detail specifications

100 Watts

MODEL	O/P Volt		Charge(Current) ₁			Line REG. ₂	Load REG. ₃	Efficiency ₄	O.V.P. Trip point
	Boost	Float	Min.	Rated	Max.				
LCP1100C-12FD	+14.4V	+13.8V	0A	7A	7.25A	±0.5%	±0.5%	85% Min.	-----
LCP1100C-24FD	+28.8V	+27.6V	0A	3.5A	3.65A	±0.5%	±0.5%	88% Min.	-----

Charging Curve



Safety Standards

	UL	UL1310	Meet
	CUL	UL1310	Meet
	CE		Marking

CE Standards

EN 55032, EN 55035, EN 61000-3-2, EN 61000-3-3,
(EN 61000-4-2, EN 61000-4-3, EN 61000-4-4,
EN 61000-4-5, EN 61000-4-6, EN 61000-4-8,
EN 61000-4-11), Heavy Industry level, criteria A
LVD: EN 62368-1

Environments

Operating Temperature	-15 ~ 50°C, Ambient
Operating Humidity	20 ~ 90% RH, No Condensing
Storage Temperature	-20 ~ 85°C, Ambient
Vibration	2G, 10~500Hz, 3 axes

- NOTE:**
1. Line regulation is measured from low line to high line at rated load.
 2. Load regulation is measured from 20% to 100% of rated load at 220VAC input.
 3. Efficiency is measured at rated load and 220VAC input.
 4. Hold-up time is measured at rated load and 220VAC input.
 5. Reign Power reserve the right to change specifications at any time without notice.



The image contains three technical drawings of the M3000 module PCB layout, showing front, top, and bottom views with dimensions and component locations.

Top View (Front): Dimensions are 132 (width) and 25 (height). It features a $\varnothing 4$ hole on the left, a 2-M3 mounting hole on the right, and a 4-pin connector on the left edge.

Top View (Top): Dimensions are 132 (width) and 87 (height). It features 6-M3 mounting holes, a 4-pin connector on the left edge, and a 4-pin connector on the right edge.

Bottom View (Bottom): Dimensions are 107 (width) and 25 (height). It features 3-M3 mounting holes, $\varnothing 4$ holes, and a 4-pin connector on the right edge.

CASE NO. : LCP1100C
UNIT : mm
DIMENSION : 151(L)*99(W)*35(H)
MATERIAL : ALUMINUM
COLOR : ORIGINAL ALUMINUM

Symbol	Description
L	Line Terminal Of AC Input (No Polarity At DC Input)
N	Neutral Terminal Of AC Input (No Polarity At DC Input)
FG	Grounding (Earth)
BT ⁺	Battery Positive Terminal
BT ⁻	Battery Negative Terminal