



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

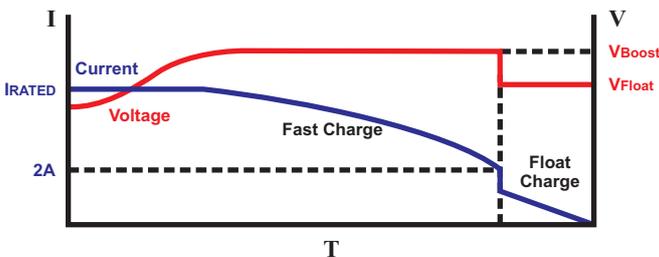
Hold-up time	10mS
Short protection	Relay Open
Overload protection	Automatic power limited
2 Steps Automatic Charging Control	

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

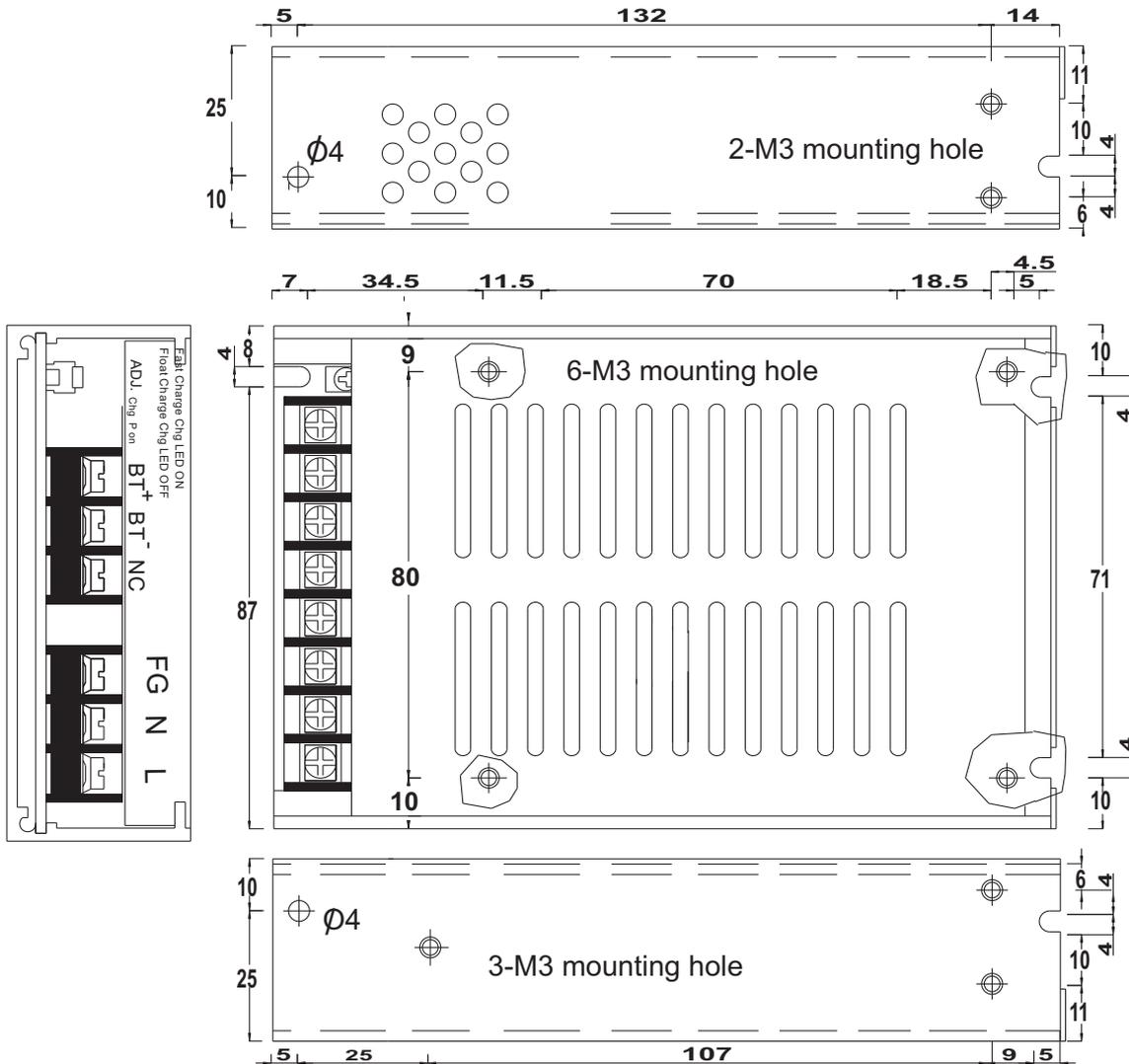
Environments

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.



Mechanical Details



Panel Designation

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