



## 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	90~132/180~264VAC (Selectable) 220~380VDC
Input frequency	47~63Hz
Inrush current (25° C)	20A/110VAC 40A/220VAC

### OUTPUT

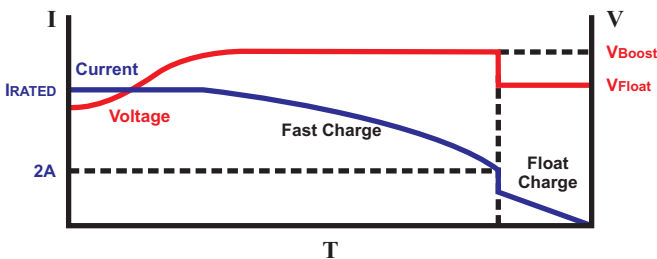
Hold-up time	10mS
Short protection	Relay Open
Overload protection	Automatic power limited
<b>2 Steps Automatic Charging Control</b>	

## Detail specifications

### 200 Watts

MODEL	O/P Volt		Charge(Current) <sub>1</sub>			Line REG. <sub>2</sub>	Load REG. <sub>3</sub>	Efficiency <sub>4</sub>	O.V.P. Trip point
	Boost	Float	Min.	Rated	Max.				
LCP1200C-12M	+14.4V	+13.8V	0A	14A	14.5A	±0.5%	±0.5%	84% Min.	-----
LCP1200C-24M	+28.8V	+27.6V	0A	7A	7.25A	±0.5%	±0.5%	87% 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

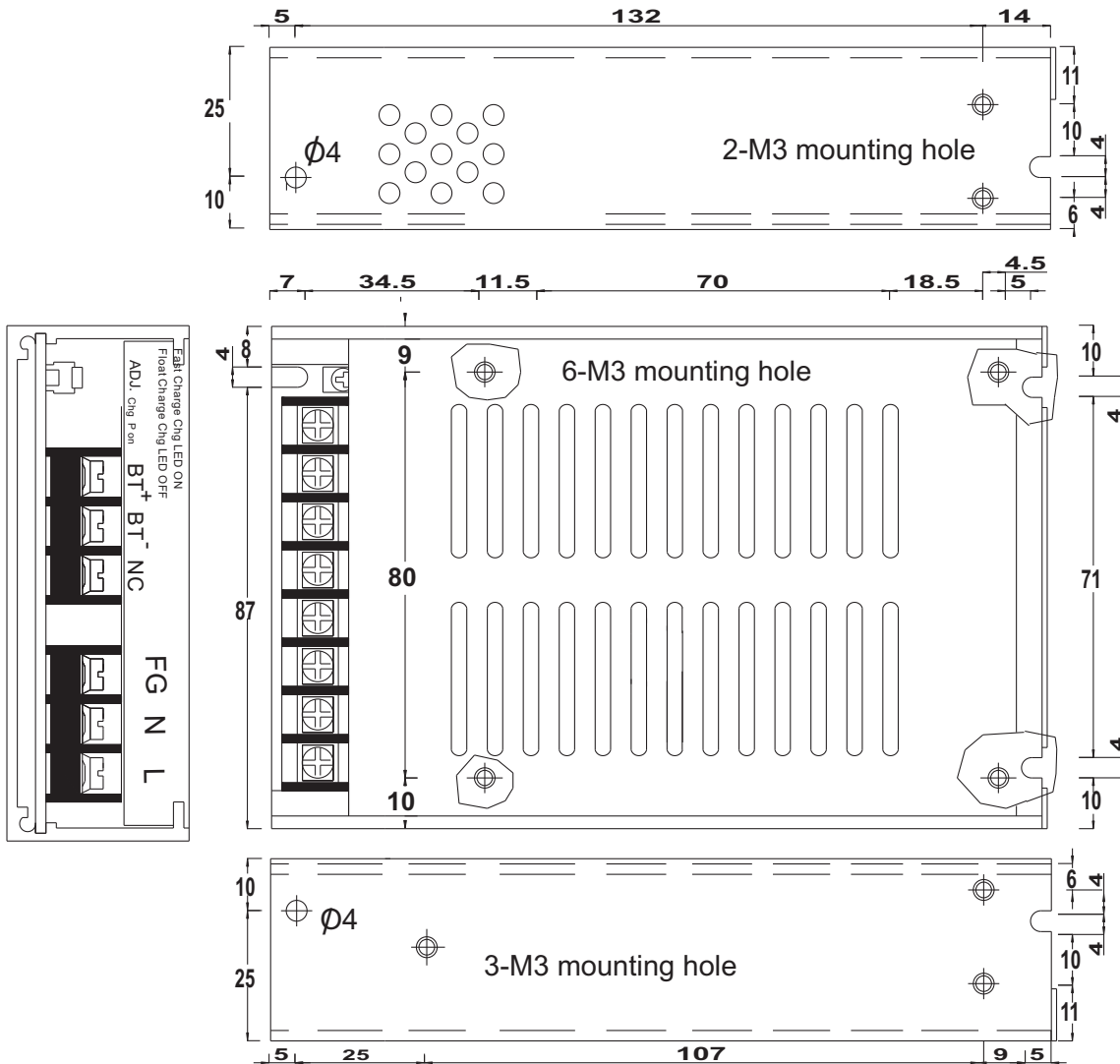
## Environments

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. When using the product, we suggest keeping the temperature of the power supply enclosure below 70 °C. (It is recommended to conduct the heat to a iron or aluminum plate of 500x500mm or the same size with a thickness of 5 mm.)
  6. 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 <sup>+</sup>	Battery Positive Terminal
BT <sup>-</sup>	Battery Negative Terminal