

POWERSUPPLIES

4-step intelligent Li-ion charger 35-55W



- 4 step led indication indicate charging status
- Suitable for 3 – 25Ah Li-ion / Li-polymer / LiFePo4
- Manufactured according to EN60335

When connecting to mains voltage the "Power led" lights up. Connect empty Li-ion battery:
 Step 1 (Ip): Pre charge with small current of about 1/3 CC up to 3.0V/cell. Step 2 (Im): Bulk charge with 1.0 C.C (constant current) up to 4.2V/cell. Step 3 (Um): Bulk charge with C.V (constant voltage) 4.2V/cell until the current decline to 0.1 CC. Step 4: When the charge current drops below 0.1 CC battery pack is fully charged and the charger shut off and fuel gauge indicator lights full (100%)

Technical data:

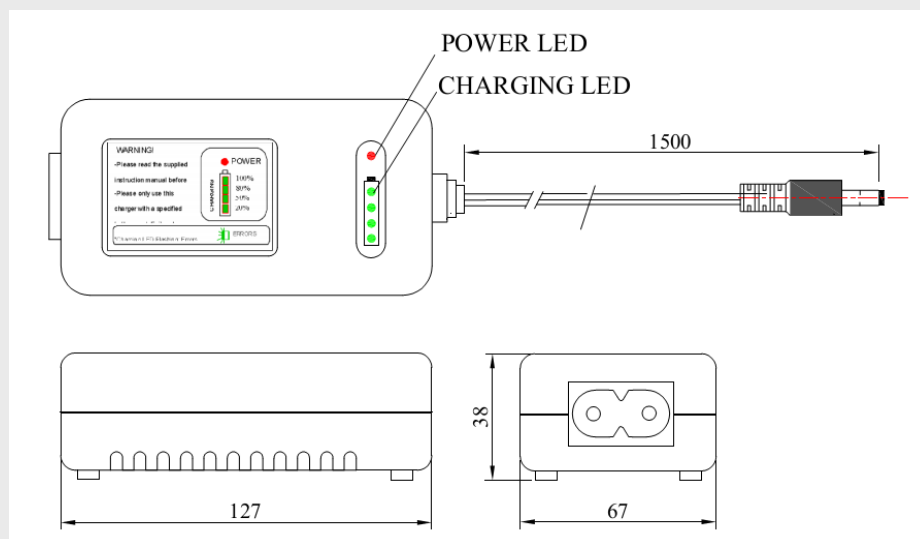
Input:

Input voltage: 90-264VAC – IEC320-C8 (C14 on request)
 Frequency: 47-63 Hz
 Input current max: 1.1A
 Back current drain: <1mA

Output:

Output voltage: See below table
 Output current: See below table
 Charging steps: Ip – Im (C.C) – Um (C.V) – Shut off
 Ripple&noise: <200mV max
 Efficiency: 80%
 Short circuit protection: Auto recovery (all green diodes blinking)
 Wrong polarity protection: Auto recovery (all green diodes blinking)
 Temperature range: -10°C...+40°C
 Plug and cable: 1.5m, all kinds of plugs are available
 Size: 120x67x38mm
 Weight: 270g
 Safety and EMI: CE, EN60335

Mechanical drawing:



Ordering information:

Type	Battery	Charge voltage	Charge current
PCH50-3C-Li (3 cell Li-ion)	11.1 VDC	12.6 VDC	3300 mA
PCH50-4C-Li (4 cell Li-ion)	14.8 VDC	16.8 VDC	2800 mA
PCH50-5C-Li (5 cell Li-ion)	18.5 VDC	21.0 VDC	2500 mA
PCH50-3C-Fe (3 cell LiFe)	9.6 VDC	10.8 VDC	3300 mA
PCH50-4C-Fe (4 cell LiFe)	12.8 V DC	14.4 VDC	3000 mA
PCH50-6C-Fe (6 cell LiFe)	19.2 VDC	21.6 VDC	2500 mA