

# POWERSUPPLIES

## 4-step intelligent Li-ion charger 70-95W



- 4 step led indication indicate charging status
- Suitable for 3 – 25Ah Li-ion / Li-polymer / LiFePo4
- Very compact size
- 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 1.0A up to 3.2V/cell. Step 2 (Im): Bulk charge with C.C. (constant current) 1.7-5A up to 4.2V/cell. Step 3 (Um): Bulk charge with C.V. (constant voltage) 4.2V/cell until the current decline to 0.4A. Step 4: When the charge current drops below 0.4A battery pack is fully charged and the charger shut off.

### Technical data:

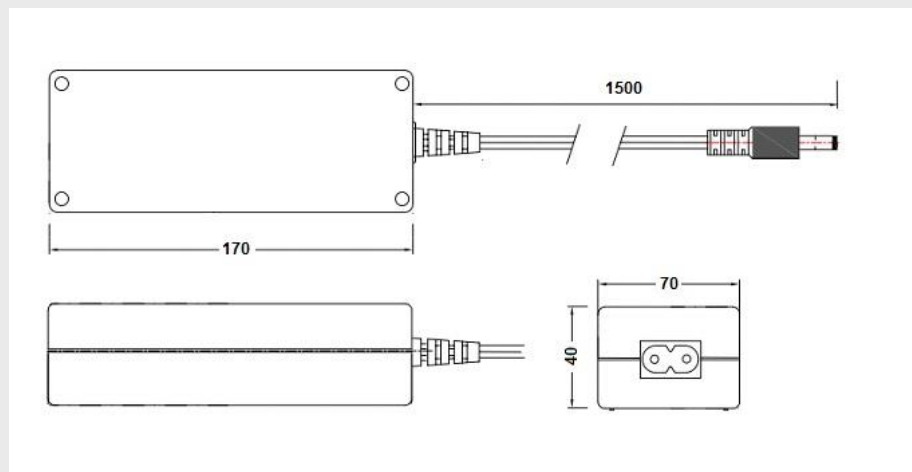
#### Input:

Input voltage: 90-264VAC – IEC320-C8 (C14 on request)  
 Frequency: 47-63 Hz  
 Input current max: 1.6A  
 Back current drain: <1.3mA

#### 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: 170x70x40mm  
 Weight: 340g  
 Safety and EMI: CE, EN60335, UL1301

### Mechanical drawing:



### Ordering information.

Type	Battery	Charge voltage	Charge current
PCH95-4C-Li (4 cell Li-ion)	14.8 VDC	16.8 VDC	4500 mA
PCH95-7C-Li (7 cell Li-ion)	25.9 VDC	29.4 VDC	2800 mA
PCH95-10C-Li (10 cell Li-ion)	37.0 VDC	42.0 VDC	2000 mA
PCH95-13C-Li (13 cell Li-ion)	48.1 VDC	56.4 VDC	1700 mA
PCH95-4C-Fe (4 cell LiFe)	12.8 V DC	14.4 VDC	5000 mA
PCH95-8C-Fe (8 cell LiFe)	25.6 VDC	28.8 VDC	2800 mA
PCH95-12C-Fe (12 cell LiFe)	38.4 VDC	43.2 VDC	2000 mA
PCH95-15C-Fe (15 cell LiFe)	48.0 VDC	54.0 VDC	1700mA