

DUAL OUTPUT



APPLICATIONS

- Charges Lithium Ion batteries
- Optimally designed for batteries up to 20 Ampere Hours

KEY FEATURES

- Three stage charger
- Dual LED displays for charging status
- Dual battery charger
- Dual independent battery charging
- Unattended charging

OPERATIONAL CHARACTERISTICS

- Three stages of operation.
 - **Pre-Qualification Mode** – when the battery is first connected to the charger, a current equal to 1/10 of the maximum charge current is applied to the battery to determine if the battery parameters fall within the acceptable tolerances for charging to begin.
 - **Constant Current Mode** – provided the battery parameters of terminal voltage, polarity and temperature are acceptable, the charging process begins using a constant current source, set for C/2, until the preset charge voltage is reached.
 - **Constant Voltage Mode** – once the preset charge voltage is reached, this mode provides a tapering current flow to the battery replacing the final 50% of the charge to the battery.

CHARGER SPECIFICATIONS

Model No: PC-6500
AC Input Range: 95 VAC to 265 VAC; 50/60 Hz
Battery Charge Voltage (per output): 4.1 VDC to 16.8 VDC (factory set)
Battery Charge Current (per output): 0.2 to 5.0 Amps (factory set)
Charger Power Out (per output): 80 Watts maximum
Battery Connection: XLR 4-pin connector; located on front Pin 1: Battery 1 Positive (+); Pin 2: Battery 1 Negative (-) Pin 3: Battery 2 Positive (+); Pin 4: Battery 2 Negative (-)
Led Indicators: <ul style="list-style-type: none"> • Solid red LED – Charger on, ready to charge, no battery connected • Flashing green LED – Battery charging • Solid green LED – Charging complete • Flashing red LED – Charger error or charging process failed
Weight: 2.2 lbs. (1.0 Kg)
Dimensions: 8" x 5" x 2 1/2" H (21cm x 13cm x 6.5cm)
Battery Charging Temp: 0° C to +45° C (32°F to +113°F)
Charger Operating Temp: -20°C to +50°C (-4°F to +122°F)
Charger Storage Temp: -40° C to +70° C (-40°F to +158°F)
Humidity: 95% relative
Color: Black, anodized
Exterior Housing: Extruded aluminum body, polycarbonate end caps
Harmonized Tariff Code: 8504.40.9550

CHARGES THE FOLLOWING

- 1, 2, 3 or 4 cells in series (per output)
 - 3.6 VDC to 14.8VDC nominal voltage (per output)

CHARGER PART NUMBER DETERMINATION

- The PC-6500 specific part number can be configured and ordered using the following
 - PC-6500-**NS-MA-4.P**
 - Where **N** is the number of cells in series
 - Where **M** is the initial charge current in Amps
 - Where **P** is the characteristic cell charge voltage, either .1 or .2