



CHARGER SPECIFICATIONS

Model No: PC-6050
AC Input Range: 100 VAC to 260 VAC; 50/60 Hz
Battery Charge Voltage: 4.1 VDC to 16.8 VDC (factory set)
Battery Charge Current: 0.2 to 2.0 Amps (factory set)
Charger Power Out: 40 Watts maximum
Battery Connection: 2-pin Molex connector (Pin 1: (+); Pin 2: (-))
Connector: Molex 03-09-2022; Pin: Molex 03-09-2103
Mating Connector: Molex 03-09-1022; Mating Pin: Molex 03-09-1104
Led Indicators:
<ul style="list-style-type: none"> • No LED illumination – No battery connected, charger on • Solid red LED – Battery charging • Solid green LED – Charging complete • Flashing red LED – Charger error or charging process failed
Weight: 3.0 lbs. (1.4 Kg)
Dimensions: 5" x 3 1/2" x 2 1/2" H (13cm x 9cm x 6.5cm)
Mounting: 4 each #6 screws
Battery Charging Temp: 0° C to +45° C (32°F to +113°F)
Operating Temp: -20°C to +50°C (-4°F to +122°F)
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

APPLICATIONS

- Charges Lithium Ion batteries
- Optimally designed for batteries up to 10 Ampere Hours

KEY FEATURES

- Three stage charger
- LED displays for charging status
- Single battery charger
- 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.

CHARGES THE FOLLOWING

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

CHARGER PART NUMBER DETERMINATION

- The PC-6050 specific part number can be configured and ordered using the following
 - PC-6050-**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 voltage, either .1 or .2