

### TYPICAL APPLICATIONS

- Charges Lead Acid batteries
- Optimally designed for batteries up to 25 Ampere Hours

### KEY FEATURES

- Temperature compensation
- Three stage charger
- LED displays for charging status
- Single battery charger
- Unattended charging

### OPERATIONAL CHARACTERISTICS

- Three stages of operation
  - **Bulk charge mode** – replaces 80% of the charge to the battery from a discharged state – 6 hour time limit
  - **Absorption mode** – a tapering current replacing the final 20% of the charge to the battery – end current is a pre-programmed value
  - **Float mode** – maintains the battery's float voltage.

### CHARGES THE FOLLOWING BATTERIES

- Flooded/wet lead acid batteries
- Valve Regulated Lead Acid (VRLA) batteries
- Sealed Lead Acid Batteries (SLA)
- GEL lead acid batteries

### COMPATIBLE CABLE ACCESSORIES

- **00-240031-01** Marine Polarized (4005)
- **00-240031-02** Motorcycle Ring (4010)
- **00-240031-03** Battery Clips (4020)
- **00-240031-04** Cigarette, Lighter Out (4030)

### CHARGER SPECIFICATIONS

<b>Model No:</b> PC-150
<b>AC Input Range:</b> 110 VAC to 130 VAC; 60Hz
<b>AC Input Power Cable Length:</b> 70 " (178cm)
<b>Battery Charge Voltage:</b> 6 VDC, 12 VDC & 24 VDC (factory set)
<b>Battery Charge Current:</b> <ul style="list-style-type: none"> <li>• 0.2 to 2.0 Amps at 6 VDC &amp; 12 VDC (factory set)</li> <li>• 0.2 to 1.5 Amps at 24 VDC (factory set)</li> </ul>
<b>Charger Power Out:</b> 50 Watts maximum
<b>Battery Connection:</b>
<b>Cable:</b> 18" (46cm) long cable with 2-pin Molex connector; Pin 1: (+); Pin 2: (-)
<b>Connector:</b> Molex 03-09-2022; <b>Pin:</b> Molex 03-09-2103
<b>Mating Connector:</b> Molex 03-09-1022; <b>Mating Pin:</b> Molex 03-09-1104
<b>LED Indicators:</b> <ul style="list-style-type: none"> <li>• Solid yellow LED – Charging (Bulk charge Mode &amp; Absorption Mode)</li> <li>• Solid green LED – Battery connected (Float Charge Mode)</li> <li>• Solid red LED – Battery VDC less than 5.0VDC or connected in reverse</li> </ul>
<b>Weight:</b> 2.7 lbs. (1.2 Kg)
<b>Dimensions:</b> 5" x 3 1/2" x 2 1/2" H (13cm x 9cm x 6.5cm)
<b>Mounting:</b> 4 each #6 screws
<b>Recommended Lead Acid Battery Charging Temp Range:</b> 10°C to +27°C (50°F to +80°F); <i>Temperature Compensation Required</i>
<b>Charger Operating Temp:</b> 0°C to +50°C (32°F to +122°F)
<b>Charger Storage Temp:</b> -40°C to +70°C (-40°F to +158°F)
<b>Humidity:</b> 95% relative
<b>Color:</b> Black, anodized
<b>Exterior Housing:</b> Extruded aluminum body, polycarbonate end caps
<b>Harmonized Tariff Code:</b> 8504.40.9550

### CHARGER PART NUMBER DETERMINATION

- The PC-150 specific part number can be configured and ordered using the following
  - **PC-150-N/M**
  - Where **N** is the nominal battery voltage
  - Where **M** is the initial charge current in Amps



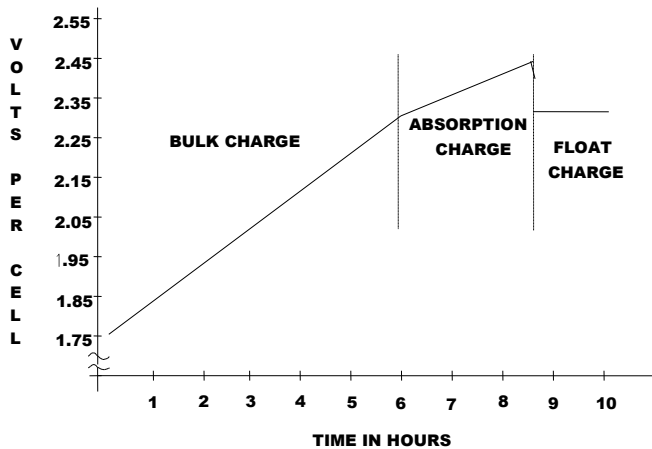
**DATA SHEET**  
**BATTERY CHARGER**  
**LEAD ACID**  
**PC-150 SERIES**

**OPERATING SPECIFICATIONS**

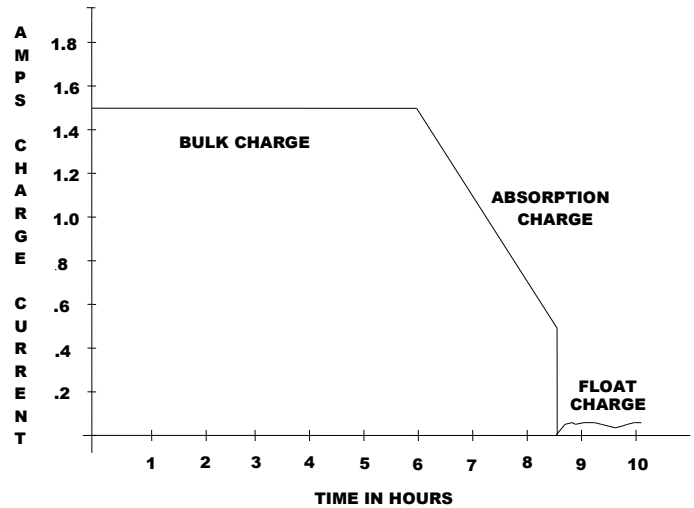
Model No.	PC-150-6/500	PC-150-6/750	PC-150-6	PC-150-12/750	PC-150-12	PC-150-24/750	PC-150-24
<b>Bulk Charge Current</b>	0.5 Amps	0.8 Amps	2.0 Amps	0.8 Amps	1.5 Amps	0.75 Amps	1.5 Amps
<b>Bulk charge Voltage Range</b>	5.0 to 7.0 VDC	5.0 to 7.0 VDC	5.0 to 7.0 VDC	10.0 to 14.0 VDC	10.0 to 14.0 VDC	20.0 to 28.0 VDC	20.0 to 28.0 VDC
<b>Absorption Mode Current</b>	0.5 to 0.25 Amps	0.75 to 0.25 Amps	2.0 to 0.5 Amps	0.75 to 0.25 Amps	1.5 to 0.5 Amps	0.75 to 0.25 Amps	1.5 to 0.5 Amps
<b>Absorption Mode Voltage Range</b>	7.0 to 7.5 VDC	7.0 to 7.5 VDC	7.0 to 7.5 VDC	14.0 to 14.5 VDC	14.0 to 14.5 VDC	28.0 to 29 VDC	28.0 to 29 VDC
<b>Float Voltage</b>	7.0 VDC	7.0 VDC	7.0 VDC	14.0 VDC	14.0 VDC	28.0 VDC	28.0 VDC
<b>AC Input Range</b>	110 to 130 VAC	110 to 130 VAC	110 to 130 VAC	110 to 130 VAC	110 to 130 VAC	110 to 130 VAC	110 to 130 VAC
<b>Frequency</b>	60Hz	60Hz	60Hz	60Hz	60Hz	60Hz	60Hz
<b>Charger Power Out</b>	5 Watts	6 Watts	15 Watts	12 Watts	25 Watts	25 Watts	45 Watts

\* Other Configurations Available

**TYPICAL VOLTAGE CURVE**



**TYPICAL CURRENT CURVE**



PATCO Electronics | division of Creating Technology Solutions, LLC  
 5250 140<sup>th</sup> Avenue North | Clearwater | Florida | 33760

Tel 727-914-3001 | Fax 727-914-3342 | [www.patcoelectronics.com](http://www.patcoelectronics.com) | PATCO CAGE Code: 03UN7

Minority Owned, Woman Owned, Small Business, WOSB/EDWOSB Certified

©2013-2017 Creating Technology Solutions | All information subject to change without notice | May 2017 | Rev-04

The information contained herein is for reference only and does not constitute a warranty of performance

ISO 9001:2008

