



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





CHARGER SPECIFICATIONS

Model No: PC-8045
AC Input Range: 110 VAC to 130 VAC; 60Hz
No. of Cells / Nominal Battery Charge Voltage: 2 cells to 20 cells / 2.4 VDC to 24 VDC (factory set)
Battery Charge Current: 0.2 to 5.0 Amps (factory set)
Charger Power Out: 40 Watts maximum
Battery Connection: Output connector located on back of charger
Led Indicators: <ul style="list-style-type: none"> • Solid red LED – Charger on, ready to charge, no battery connected • Solid yellow LED – Soft Start & Bulk Charge mode charging • Solid green LED – Topping Charge & Maintenance Charge mode charging • No LED indication – charging is complete
Weight: 1.5 lbs. (0.7 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: <ul style="list-style-type: none"> • 7 to 10 Hour Rate: 0°C to +45°C (32°F to +113°F) • 1 to 3 Hour Rate: 15°C to +45°C (60°F to +113°F)
Operating Temp: -30°C to +40° C (-22°F to +104°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 Nickel Cadmium (NiCd) and Nickel Metal Hydride (NiMH) batteries
- Optimally designed for batteries up to 20 Ampere Hours

KEY FEATURES

- Battery temperature monitoring capability
- Four stage charger algorithm - microprocessor
- Full charge based on zero slope voltage detect or rate of temperature increase
- Microchip controlled charge termination
- Programmed for specific cell count and capacity
- LED displays for charging status
- Single battery charger
- Unattended charging

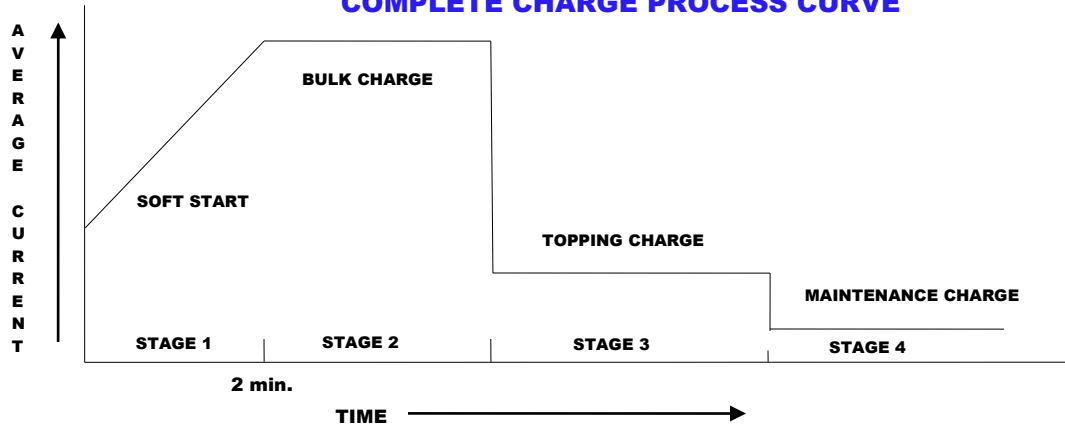
OPERATIONAL CHARACTERISTICS

- Four stage algorithm operation
 - **Soft start charge mode** – the current increases gradually over the first two minutes from approximately one fifth of the bulk charge current up to the factory set bulk charge rate
 - **Bulk charge mode** – current is supplied to the battery at the rate programmed into the charger for the specific battery pack
 - **Topping charge mode** – current is supplied for two hours at a C-10 rate to complete the charge cycle
 - **Maintenance charge mode** – current is supplied at the C/40 rate until the battery is removed

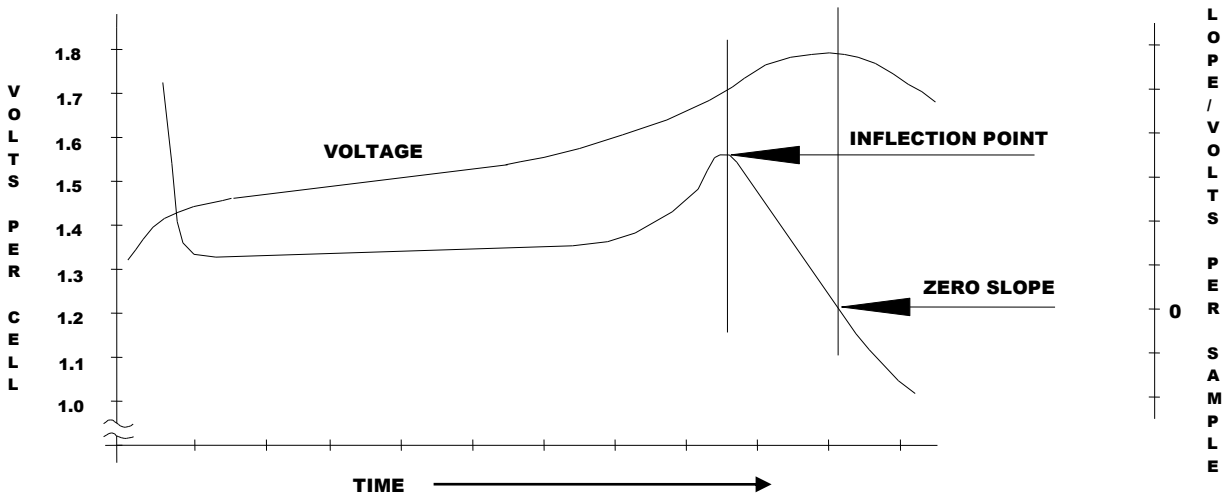
CHARGER PART NUMBER DETERMINATION

- The PC-8045 specific part number can be configured and ordered using the following
 - PC-8045-**BB-CC-DD(T)**
 - Where **BB** is the cell count for the battery
 - Where **CC** is the batteries capacity in Ampere Hours
 - Where **DD** is the charge time in quarter hour increments
 - Where **(T)** needs to be added, if the battery pack contains a the thermistor to be monitored

COMPLETE CHARGE PROCESS CURVE



CHARGE TERMINATION CRITERIA CURVE



BULK CHARGE CYCLE CURVE

