



## **TYPICAL APPLICATIONS**

- Charges Lead Acid batteries
- Optimally designed for batteries up to 35 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.

## **COMPATIBLE CABLE ACCESSORIES**

- > 4005 Marine Polarized
- > 4010 Motorcycle Ring
- 4020 Battery Clips
- 4030 Cigarette, Lighter Out

### **CHARGER SPECIFICATIONS**

Model No: PC-7050-12/2

AC Input Range: 95 VAC to 265 VAC; 47Hz to 63Hz

#### **Battery Charge Voltage:**

- Bulk charge voltage range: 10.0 to 14.0 VDC (1.66 to 2.33 VPC)
- Absorption mode voltage range: 14.0 to 14.5 VDC (2.33 to 2.41 VPC)
- Float mode voltage: 13.6 to 13.8 VDC (2.26 to 2.30 VPC)

#### **Battery Charge Current:**

- Bulk charge current: 2.0 Amps
- Absorption mode current: 2.0 to 0.5 Amps

Charger Power Out: 30 Watts

Battery Connection: See compatible cable accessories

#### Led Indicators:

- Solid green LED Charger is on ready to charge w/o battery connected
- Solid yellow LED Battery is charging
- Solid green LED Float charge mode
- Solid red LED Battery connected in reverse, charger error or battery voltage is less than (5VDC, 10VDC or 20VDC)

Weight: 2.5 lbs. (1.1 Kg)

Dimensions: 5" x 3 1/2" x 2 1/2" H (13cm x 9cm x 6.5cm)

Mounting: 4 each #6 screws

**Recommended Battery Charging Temp:** 

10° C to +27° C (50°F to +80°F)

**Operating Temp:** 0° C to +50° C (32°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

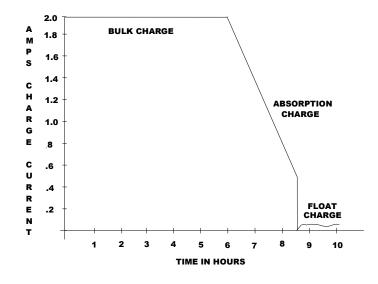
Harmonized Tariff Code: 8504.40.9550

### **CHARGES THE FOLLOWING BATTERIES**

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

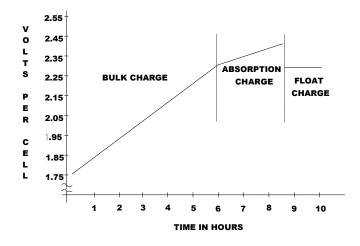






## **CURRENT CURVE**

# **VOLTAGE CURVE**



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