

PB-2590 with SMBus

High Capacity



APPLICATIONS

- Robotics
- UGV's / UAV's / UUV's
- Communication Devices
- Autonomous Remote Sensors and Surveillance

PERFORMANCE AND SAFETY

- NAVSEA S9310 compliant
- MIL-PRF-32052 & /1 compliant
- MIL-PRF-32383 & /3 compliant
- MIL-STD-810G compliant
- MIL-STD-461F EMI compliant
- DOT/UN Transportation 38.3 T1-T8 compliant
- UL1642 compliant cells
- Full capacity at 10A Continuous Discharge
- 69% to 70% performance available at -30°C

COMPATIBLE CHARGERS

- **PC-6010-01** 1-bay briefcase charger AC
- **PC-6010-03** 1-bay briefcase charger AC/DC
- **PC-6020** 2-bay briefcase charger AC/DC
- **PC-6040** 4-bay briefcase charger AC/DC
- **PC-6060** 6-bay briefcase charger AC/DC
- **PC-6080** 8-bay briefcase charger AC/DC
- **PC-6240** 24-bay bulk smart charger AC
- **PC-6200** Single battery desk top charger AC
- **PCR-6080** Unmanned vehicle charger AC
- **PCD-6040** Docking station for PCR-6080

COMPATIBLE CABLES

- **PE-CN1** cable with metal mating connector
- **PE-CN2** cable with plastic mating connector
- **PE-CC3** charge cable for PC-6200 charger

BATTERY SPECIFICATIONS

Model No: PB-2590-SMB-8.7
Nominal Energy: 250 Wh
Voltage Range: Series Mode: 20.0V min.; 28.8V nom.; 33.6V max. Parallel Mode: 10.0V min.; 14.4V nom.; 16.8V max.
Nominal Capacity: Series Mode: 8.7Ah @ 500mA @ 23°C (74°F) Parallel Mode: 17.4 Ah @ 1.0A @ 23°C (74°F)
Maximum Continuous Discharge: Series Mode: 10.0 A continuous @ 23°C (74°F) (per section) Parallel Mode: 20.0 A continuous @ 23°C (74°F)
Maximum Pulse Discharge: Series Mode: 22.5A for 10 msec; 18.0 A for 5 seconds @ 23°C (74°F) Parallel Mode: 45A for 10 msec; 36.0 A for 5 seconds @ 23°C (74°F)
Nominal Energy Density: 190 Wh/kg, 306 Wh/l
Weight: 1406 grams / 1.4Kg (3.1 lbs.)
Cycle Life: > 300 cycles @ C/5 to 80% of initial capacity @ 100% depth of discharge
Operating Temp: -30°C to 70°C (-22°F to 158°F)
Storage Temp: -20°C to 50°C (-4°F to 122°F)
Self-Discharge: < 3% per month @ 25°C (77°F)
Housing: Hard plastic, tan, lusterless, UL 94 V-0, NORYL
Terminals/Connector: Floating type per U.S. Army DQWG# SC-C-179495
Communication: SMBus v1.1 communication protocol SBD v1.1 data set support
State of Charge Indicator: 2 Separate 5 Segment LCD Displays
Safety: See Material Safety Datasheet - MSDS056
Transportation: See MSDS056
Harmonized Tariff Code: 8507.80.0000
NSN: TBD
Manufacturer CAGE Code: 03UN7
Charging: Charge each section at constant voltage of 16.8 Volts in a temperature range of 0°C to 45°C (32°F to 113°F), limiting current to 3.0 amps until current declines to 100mA. Both sections can be charged in parallel.

The information contained herein is for reference only all specifications subject to change without notice

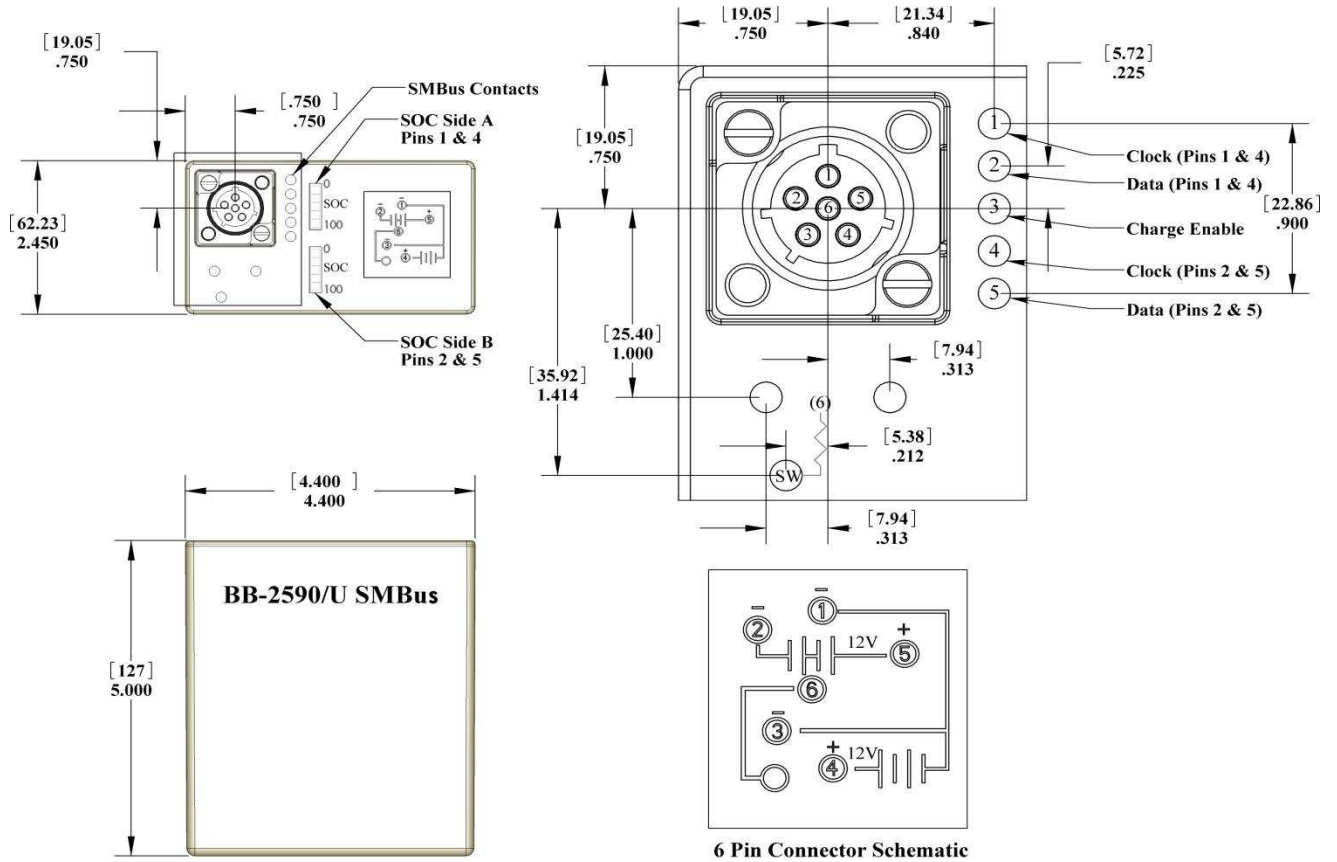
PATCO Electronics is a division of TRC | 5250 140th Ave North | Clearwater, FL 33760

Tel 727.535.0572 | Fax 727.535.9691 | www.trci.net

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ISO 9001:2008





DIMENSION IN: Inches[mm]

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