



TECHNICAL DATA SHEET
LITHIUM ION
UNMANNED VEHICLE BATTERY CHARGER

PCR-6080



CHARGER SPECIFICATIONS

Model No: PCR-6080	NSN: TBD
Manufacturers CAGE Code: 03UN7	
AC Input Range: 85 to 264VAC; 47 to 63Hz	
DC Input Range: 120 to 375VDC	
Max. No Load Voltage: 50V	
Battery Charge Voltage: 16.8VDC max. per position	
Battery Charge Current: 3A max. per position	
IP Rating: 41	
Connection: Cable: 6 foot , MIL-W-16878/2 C Connector: Amphenol MS3126E14-19P(to load)	
Led Indicators: Flashing green LED – Charging Solid green LED – Fully Charged Flashing red LED – Error Solid red LED – Waiting for Charging to Start	
Weight: 20 lbs. (9.1kg)	
Dimensions: 13.5"L x 11.5"W x 6.3"H (35cm x 30cm x 16cm)	
Operating / Charging Temp: -20 °C to 50 °C (-4 °F to 122 °F)	
Storage Temp: -40 °C to 100 °C (-40 °F to 212 °F)	
Humidity: 95% relative	
Color: Black; Epoxy Powder Coat	
Exterior Case: Aluminum with stand-off feet and carrying handle	
Harmonized Tariff Code: 8507.90.80.00	

APPLICATIONS

- Unmanned vehicles (UGV, UAV)

KEY FEATURES

- Portable, tactical, ruggedized
- UL recognized (pending)
- LED display for each battery charging position
- 4 battery / 8-position battery charging capability
- Unattended charging
- MTBF: 800,000 hours
- Overload, overvoltage and thermal protection
- Carrying handle

BENEFITS

- Charges up to 4 each BB-2590/U batteries simultaneously
- Charges each half of each BB-2590/U battery simultaneously
- Recharge time less than 4 hours
- Charges in series configuration
- Charges batteries directly in unmanned vehicle
- Charges batteries outside of unmanned vehicle with docking station (PCD-6040)

ACCESSORIES

- Docking station 4-position (PCD-6040)

CHARGES THE FOLLOWING BATTERIES

- **Lithium ION**
PB-2590, PB-2590-7.2, PB-2590-SMB-7.2,
PB-2590-SMB-8.7, BB-2590/U,
BB-2590 / UBI-2590 (UBBL02),
MRC-2590, UBI-2590 SMBus (UBBL10),
UBI-2590/HC SMBus (UBBL13)
DK-3590, BT-70791A, BT-70791E
BT-70791BK