

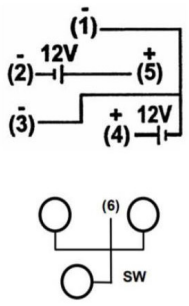
BB-2590/U

High Capacity 298Wh Rechargeable Li-ion Battery with SMBus

- High Energy Density
- Mission-Capable
- Best-in-Class Performance



Designed & Tested to MIL-PRF-32383/3

ADVANCED FEATURES	SPECIFICATIONS		
Ruggedized for Military Use	Manufacturer ID	07-52590	
SMBus v1.1 Compliant	Inventus Part Number	MB-2590-298-LIT	
Wide Operating Temperature Range	NSN Number	Pending	
Highly Accurate “Fuel Gauge” Display	Voltage Range	Series: 20 V - 33.6 V Parallel: 10 V - 16.8 V	
Advanced Thermal & Over Charge Protection	Nominal Capacity	Series: 10.35 Ah Parallel: 20.7 Ah	
Intelligent Battery System with Multiple Charging Options	Maximum Discharge Current	Series: 12.5 A Parallel: 25.0 A	
APPLICATIONS	Energy / Total Power	288 Wh Minimum / 298 Wh Nominal	
Communication & Data Devices	Energy Density	199 Wh/Kg	
UGVs & MUGVs	Communication	SMBus v1.1	
UAV & UUV	Weight	3.2 lbs (1.5 kg)	
Advanced Tactical Devices	Dimensions	5.0" (127.0mm) x 2.45" (62.6mm) x 4.40" (111.8mm)	
Cable Connector Pin Out Diagram	Cycle Life	70% Capacity after 500 cycles	
	Operating Temperature	-30°C to 55°C	
	○ ← CLOCK (PINS 1 - 4)	Storage Temperature	-20°C to 50°C
	○ ← DATA (PINS 1 - 4)	Terminals / Connector	Floating Type USA DWG SC-C-179495
	○ ← CHARGE ENABLE	Transportation	Class 9 / IATA / UN 38.3
	○ ← CLOCK (PINS 2 - 5)	Water Immersion	1 Meter Submersion, MIL-PRF-32383: 3.4.5.1
	○ ← DATA (PINS 2 - 5)	Charge Indicator	Two Independent 5-Segment LCDs (Constant On Display)