

BB-2590 V3

RECHARGEABLE BATTERY

*With Its Highest
Performance Ever*

**THE ENERGY SOURCE OF THE
DOMESTIC AND NATIONAL
DEFENSE INDUSTRY**

aspilsan
Energy of Technology



**Versatile Battery with
ASPİLSAN Enerji's
45 Years of Experience**

BB-2590/V3

Quality System

ISO 9001, AS 9100, AQAP 2110

General Features

- Discharge at low temperature
- Discharge at high temperature
- Discharge at extremely low temperature
- Discharge at extremely high temperature
- High rate discharge
- Motor inrush current
- Short circuit protection
- Pulse current discharge
- Insulation resistance
- Power consumption
- Meets **MIL-PRF-32383/3** requirements within the scope of CS115, CS116 test steps.

Charging Method (CC – CV)

- Standard Discharge Current **2A**
- Maximum Discharge Current **10A**
- Pulse Discharge Current **18A (5 seconds)**
- Standard Charge (at 20°C ±5°C)
Each block with **16.8V / 5A** charge current until it drops to 120mA. (Max. 4 hours)

Protection Functions

- Battery over-charge voltage
- Over-charge current
- Over-discharge voltage
- Over-discharge current
- Protected against over-temperature and short circuit.

Cycle Life

- ≥500 cycles (up to 80% capacity)
At 90% DoD room temperature (at 23±2°C)
with 1C discharge and 0.5C charge
- ≥350 cycles (up to 80% capacity)
At 100% DoD room temperature (at 23±2°C)
with 1C discharge and 0.5C charge



ASPİLSAN Enerji A.Ş.

is a Turkish Armed Forces Foundation company.

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Technical Specifications

BB-2590 V3 Li-Ion Battery

Product Information

Stock No	152-0001-0316
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Electrical Specifications

Nominal Voltage	2 x 14,4VDC
Nominal Capacity	2 x 10 Ah (At 23±2°C with 2A until to 10V)
Maximum Discharge Current	10A
Pulse Discharge Current Dimensions (mm)	18A (5 seconds)

Mechanical Specifications

Weight (g)	Max. 1450
Dimensions (mm)	62 x 111.6 x 126.7 ± 1
Color	Tan
Material	ABS-PC

Environmental Specifications

Charging Temperature	Between 0°C and +50°C
Discharge Temperature	Between -40°C and +60°C
Storage Temperature	Between -20°C and 25°C (Less than 1 year)
Storage Temperature	Between -20°C and 45°C (Less than 3 months)
Storage Temperature	Between -20°C and 60°C (Less than 1 month)

Sealing Level	IPX7 With Mating Connector
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Transportation and Shipment Standards	UN38.3 Dangerous Goods, Class 9, Transportation at 30% State of Charge
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Other Standards

MIL-STD-810H Method 501.7 / Procedure I High Temperature Storage
MIL-STD-810H Method 501.7 / Procedure II High Temperature Operation
MIL-STD-810H Method 502.7 / Procedure I Low Temperature Storage
MIL-STD-810H Method 502.7 / Procedure II Low Temperature Operation
MIL-STD-810H Figure 507.6-7 / Procedure II Aggravated Temperature-Humidity Cycle
MIL-STD-810H Method 513.8 / Procedure II Acceleration Category: Aircraft
MIL-STD-810H Method 516.8 / Procedure IV Transit Drop
MIL-STD-461G 5.16 CSI18, Personnel Borne Electrostatic Discharge
The battery (cell) conforms to the IEC 62133 standard and is UL 1642 certified.

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