

Battery Pack MSP160



Rugged power bank in a portable format

The Battery Pack, attached to a Harris battery box with one or two BB2590 batteries will give you several power out options to power mobile devices, e.g radios, computers and mobile phones.

Battery box and batteries not included in the product.

Military-relevant rugged design

MilDef products are designed to operate in extreme environmental conditions and challenging electromagnetic operational scenarios. Operationally proven, MilDef products are actively employed in military operations in over 60 countries.

Guaranteed performance

MilDef products are designed for the long lifecycles of military programs and come with a lifetime support program to ensure your equipment maintains peak performance for many missions to come.

We also guarantee the availability of spare parts for an additional 5 years after product end-of-life.

Features

- LED indicators displaying battery status
- Up to 24 V output
- Built in current limiter

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Connector Interfaces

12/24V OUT (front)	• 1x Power
19V OUT - PC (front)	• 1x Power
SERVICE (front)	• 1x RS232 Service
USB PWR (front)	• 2x USB 2.0

Other Interfaces

10x Status indicator (front)
1x System Button (front)

Technical Specification

Power output	12V/24 V connector is limited to a combined maximum power output of 240 W and/or 10 A 19 V connector is limited to a maximum power output of 90 W Dual USB A connector is limited to a maximum combined power output of 21 W (6 V, 3,5 A per USB connector) Available power output is limited to the type of batteries used, maximum design thresholds may not be achievable at all times
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Chassis material	Aluminum
Coating and color	Dupont AE0305-6603120 (RAL6031)
Dimensions	268 x 206 x 77 mm (10.6 x 8.2 x 3.1 in) (WxHxD)
Surface treatment chassis	Chromit-Al
Weight	1.2 kg (2.7 lbs)
MTBF	516,475 h (batteries not included)
CE	Compliant

Environmental Specification

Functional shock - Operating	MIL-STD-810G, Method 516.6, Procedure I - Functional Shock. Table 516.6-II, Terminal peak sawtooth pulse, Ground equipment 40 g 11 ms
High temperature - Operating	MIL-STD-810G, Method 501.5, Procedure II - Operation 55 °C (131 °F)
High temperature - Storage	MIL-STD-810G, Method 501.5, Procedure I - Storage 71 °C (160 °F)
Humidity	MIL-STD-810G, Method 507.5, Procedure II - Aggravated 95 ± 4 % RH Ten 24 h cycles

IP Class (Solid Particle Protection) Class 6X

IP Class (Water)	Class X5
Low air pressure - Rapid decompression	MIL-STD-810G, Method 500.5, Procedure III - Rapid decompression 75.2 kPa, corresponding to 2,438 m (8,000 ft) 17 kPa, corresponding to 12,192 m (40,000 ft)
Low air pressure - operating	MIL-STD-810G, method 500.5, Procedure II - Operation/Air Carriage. Battery not included 57.2 kPa, corresponding to 4,572m (15,000 ft)
Low temperature - Operational	MIL-STD-810G, method 502.5, Procedure II - Operation -40 °C (-40 °F)
Low temperature - Storage	MIL-STD-810G, method 502.5, Procedure I - Storage -40 °C (-40 °F)
Noise level	Maximum noise level of 40 dB SPL A-weighting at 1 m (3.3 ft) distance
Salt fog	MIL-STD-810G Method: 509.5 5 % ± 1 % (by weight) Two cycles, 24 h wet + 24 h dry / cycle
Temperature Shock - Operating	MIL-STD 810G, method 503.5 procedures I - C 55 °C (131 °F) -40 °C (-40 °F)

EMC Specification

EMI radiated RE102	MIL-STD-461F, Method RE102, Radiated emissions, electric field Navy Mobile & Army 2 MHz - 18 GHz
EMS radiated RS103	MIL-STD-461F, Method RS103, Radiated susceptibility, electric field Army 2 MHz - 1 GHz