

OHM-POWERBANK

MOBILE POWER CASE

SYSTEM DESCRIPTION

The power case provides mobile, silent, and emission-free power supply for DC consumers in military and civilian applications.

Project-specific customization of components is ensured through the modular design. For example, the case size and configuration can be adapted precisely to the application. Additionally, an AC output version is available.

APPLICATION AREAS

- ✓ Defense and disaster protection
- ✓ Civilian applications



SYSTEM FEATURES

- ✓ Integrated MIL-STD chargers
- ✓ Individual cell protection - no thermal runaway possible
- ✓ Active, programmable BMS
- ✓ AC inputs with circuit breaker
- ✓ DC output with circuit breaker
- ✓ Programmable under- and overvoltage protection
- ✓ Optional CAN bus for battery data and system integration
- ✓ Case made of highly impact-resistant polyethylene with shock/vibration protection
- ✓ Spring-mounted frame to protect electronic components
- ✓ Rust-free design
- ✓ Front panel with gas struts
- ✓ Battle switch



High current
Lithium Ion
Battery



Active BMS



High frequency
technology



Light weight,
compact size



Full electronic
protection



Extended
temperature
range



Waterproof
IP54

TECHNICAL DATA

CHARGER

+	Input voltage	99-276VAC/45-430Hz
+	Max input current	2x12A@230VAC (12A per phase)
+	AC source	Grid or generator
+	Output voltage	28VDC nominal
+	Max charging current	80A single-phase 160A two-phase

ENERGY STORAGE

+	Capacity	6KWh (cells, Li-Ion 18650)
+	DC nominal voltage	28VDC
+	Continuous DC current	160A
+	Peak DC current	500A
+	Operating temperature	Discharged -20°C bis +50°C / Charged: 0°C bis +50°C

ACTIVE BMS

+	Overvoltage protection	4.1V/ cells
+	Deep discharge protection	2.8V/cells
+	Charging voltage protection	automatic pre-charge if cell voltage < 2.8V
+	Temperature protection charge	min. 0°C/max. 50°C
+	Temperature protection discharge	min. -20°C/max. 50°C
+	Active balancing	between all cells
+	Connections	DC VG96917 AC CEE16
+	Dimensions	690x630x440mm
+	Weight	84kg

VARIANTS

+	Energy storage	3KWh, 6KWh, 9KWh, 12KWh - modular expansion
+	Max charging currents	80ADV, 160ADC, 240ADC
+	Inverter options for AC output	230VAC/400W, 230VAC/1.6KW, 230VAC/3.6KW, 400VAC/3-phasing 4.8KW
+	Inverter mit integriertem Ladegerät und Bypassschaltung	

SINUS INVERTER (optional)

+	Input voltage nominal	28VDC
+	Max input current	61.4A
+	Output voltage	230VAC (optional 100/110/120VAC)
+	Output frequency	50Hz 60Hz
+	Output power	2000VA (1600W), 15 seconds 3000VA (2400W) Power reduction below 125VAC

Additional Options

+	USB (5V/1A charging output) / Battery heating for very cold environments / CAN BUS output for system integration / Displays and connectors as required / Solar charge controller
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