

MWBESS-400

Battery Energy Storage System for Rental.



Modular and flexible energy storage that is also mobile, for a range of applications to solve grid constraints and lower costs.

400kWh
Capacity

250kW
Power

Key features

All-in-one design, for ease of deployment and safe operation.

Intelligent software control for battery optimization, ensuring safety, and performance.

High capacity, small footprint smaller than a 10' ISO.

Scalable, flexible solution according to requirements, can be paralleled.

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DC Data

Battery Chemistry ¹		1 st life LFP
C-rate ²		0.5C
System Architecture	V	400/1000V
Rated Capacity	kWh	440
Usable Capacity ³	kWh	400
Cooling System		Forced Air
Cycle Life ⁴	Cycles	>5000 to 90%

AC Data

Rated Power	kW	250
Continuous Power	kW V	250
AC rated voltage (3 phase)	V	400
AC rated voltage (1 phase)	Hz	230
Frequency	Amp	50/60
Pass Through Current		400
System Efficiency		> 95%

System Data

Dimensions	mm	2950 x 2250 x 2250
Weight (without trailer) ⁵	kg	7,600
Working Temperature Range ⁶	°C	-40 to 50
Relative Humidity Range		0-95%
IP Rating		IP54 (battery packs are IP67)
Fire Prevention		Multi-parameter sensing with accelerometer for VoC, shock and environmental monitoring. Full battery cell monitoring at individual pack level isolation
Fire Mitigation		Perfluoro Aerosol, 24/7 monitoring and alert system, External fire alarm
Communication Interface		CAN / Ethernet / RS485 / WIFI / 4G
Communication Protocol		IEC 102/104 / CAN / MODBUS
Paralleling Capability		Up to 3 Maximum in 1 string
Output Connections		Output PL 1x 400A 1x 63a 3ph
Input Connections		Input PL 1 x 400A Grid 1x 400A Generator
System Certification		• G99 • IEC 62933-1 • Low Voltage Directive 2014/35/EU • EMC Directive 2014/30/EU • HD IEC 60634:2005 • EN 50549-1-2 • IEC 62109-2 • IEC 62477-1 • IEC 61439-2 • UN 38.3 • UN 3481 • EN 61000-6-2 • EN 61000-6-4
Warranty	Years	5 Years BESS
ESG (Recycling)		Batteries can be easily replaced, allowing the system to be repaired and upcycled Used battery packs can be deployed for a 2nd life as UPS

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