MWBESS-200

BatteryEnergyStorageSystem for Rental.



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

200kWh
Capacity

200kW
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 parallelled.

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DC Data

Battery Chemistry[1]		1st life LFP
C-rate[2]		1C
System Architecture	V	400/1000V
Rated Capacity	kWh	203.5
Usable Capacity[3]	kWh	203.5
Cooling System		Liquid
Cycle Life[4]	Cycles	6000 to 90%

AC Data

Rated Power	kW	200
ContinuousPower	kW V	200
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	2250 x 1450 x 1800
Weight (without trailer)[5]	kg	2800
Working Temperature Range[6]	°C	-40 to 50
Relative Humidity Range		0-95%
IP Rating		IP54 (battery packs are IP67)
Anti-corrosion		C5
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
Input Connections		1x 400A 400V Powerlock 3PNE 1x 125A 3ph CEE form 1 x 630A 400V Powerlock 3PNE
Output Connections		1 x 125A 3ph CEE form 1 x 63A 3ph CEE form 1 x 32A 3ph CEE form 3 x 32A 1ph CEE form 1 x 16A 1ph CEE form
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

All Products, Specifications, Designs and Data, are subject to change without notice or liability, whether to improve reliability, function, design or for any other reason.