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Commercial High Voltage

LiFePo4 Rack Mounted Battery Modules with BMS

• 76.8kWh • 153kWh • 230kWh • 307kWh • 384kWh

Modular designing

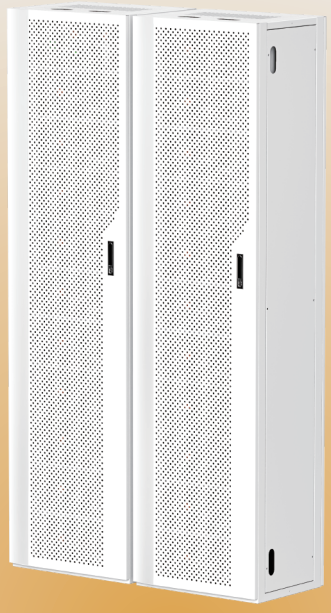
1000*
90%
10,000 cycles at 90% DOD

V
200V~1000V
flexible voltage designing

EMS
Compatible with
Germany known EMS brand Smart1

Auto-address setting,
plug in and play

Open interface for external
control and management



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Powerful, and more powerful

- Three Phase Connection with Asymmetric Output
- Battery High Voltage Max. 750V
- Zero Grid Injection Function
- LiFePO4, Superior Safety
- Always on UPS, <10ms
- Modular Design

Master BMS



Operation Voltage [Vdc]	200~1000
Max. Charge/Discharge Current [A]	100
Recommend Charge/Discharge Current [A]	100
Functions	Pre-charge, Over-Less Voltage/ /Over-Less Temperature Protection, Cells Balancing/SOC-SOH calculationetc.
Communication Protocol/Connector Type	CAN/RS485 ModBus, TCP/IP/ RJ45
Power Connection Type	Amphenol MC4
User Interface	LCD Display(Optional, need to be confirmed upon order)
Dimension [W*H*D mm]	465*180*356
Weight	10kg
Operating Temperature [℃]	-20~55
Ingress Protection	IP21
Installation Method	Rack Mounted
Warranty	10 years

Battery Module



Nominal Voltage/Capacity per Module	38.4V/3.84KWH
Expand Capability	Up to 21 Modules series at 806V/80.6KWH
DOD Recommended	90%
Max. Charge/Discharge Current [A]	100A Continual
Recommend Charge/Discharge Current [A]	100A Continual
Communication Protocol/Connector Type	CAN/ RJ45
Power Connection Type	Amphenol Original with lock
Dimension [W*H*D mm]	465*194*403.5 per module
Weight	34kg
Charge Temperature Range [℃]	0~45
Discharge Temperature Range [℃]	-20~55
Ingress Protection	IP21
Installation Method	Rack Mounted
Cables Connection Method	Connection at front
Warranty	10 years or 10,000 cycles @90% DOD



806V-80.6kWh Rack Datasheet

Nominal Capacity	80.6kWh
Nominal Voltage	806Vdc
Operation Voltage Range	630V~919V
Efficiency	96%
Suggested Depth of Discharge	90%
Dimension [W*H*D]	1250*2352*490mm
Weight	1000kG
Design Life	10 years+
Operation Temperature	0~50
Humidity	5%~95%
Altitude	<2000
Battery Modules	21*3.84kWh modules series connection
Address Setting	Slave Address Auto-setting
External Com. Ports	CAN2.0/RS485 ModBus
User Interface	PC Based Software
IP Protection	IP 21
Parallel Capability	Maximum 5 racks Parallel(Master BMS required)
Standards	UN38.3, IEC62619, CE

Maximum 5 units 80.6kWh can be paralleled to realize bigger capacity

Full range Wattsonic Li-HV all-in-one storage system can support parallel connection at both on-grid and off-grid port to offer superior system designing and commissioning flexibility.

