



(€ **E** UN38.3 **(**€



Rack-mounted Energy **Storage System** MD48-100

- Residential & Commercial Energy Storage
- Communication Base Stations









Flexible Expansion

Modular design, supports up to 15 units in parallel. Total capacity up to 76.8kWh



Easy Installation

Small size, pre-integrated design, flexible deployment



High Cost Performance

Rack structure, low cost and high space utilization



Safety& Long Life

LFP battery 10-year design life



Intelligent Operations

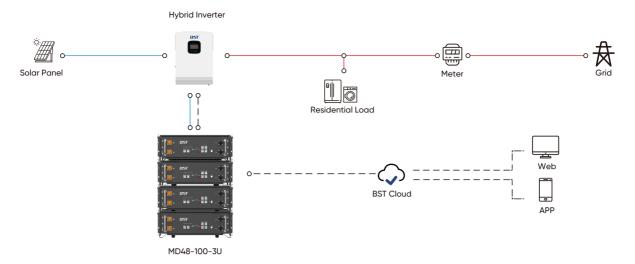
Built-in perfect BMS to monitor the system in real time



OEM/ODM

Appearance and display can be customised

| System Diagram



Model		MD48-100-3U
General		
Nominal Energy		5.12kWh
Nominal Capacity		100Ah
Scalability		Max.15 in Parallel(76.8kWh)
Dimension(W*D*H)		440*420*133mm
Weight		~44.2Kg
Installation		19 inch, Rack-mounted
Cell Type		LiFePO4
Design Life		10 Years
Electrical		
Nominal Voltage		51.2V
Operating Voltage Range		43.2~56.8V
Charge/Discharge Current	Recommend	50A/50A
	Maximum	100A/100A
Operation		
Charge Temperature		0°C~45°C
Discharge Temperature		-10°C~45°C
Storage Temperature		-20°C~45°C
Operation Relative Humidity		5%~95%(No Condensation)
Altitude		≤2000m
Ingress Protection		IP20
Cycle Life		≥6000 Cycles
Communication Interface		RS485,CAN,WIFI(optional)
Certification		UN38.3, IEC62619,UL1973 ,EN61000-6-1,EN61000-6-3
Compatible Inverter		BST, Victron, Goodwe, Solis, Sofar, Deye, Voltronic, PYLON





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