

BST

RESIDENTIAL ENERGY STORAGE BATTERY MODULE



MD48-50-2U



MD48-100-3U

MD 48

- Rack-mounted, 19 inch Modular +
- LiFePO4 Battery, High Safety +
- Flexible Scalability +
- Long Lifespan +
- Compatible with Various Inverters +



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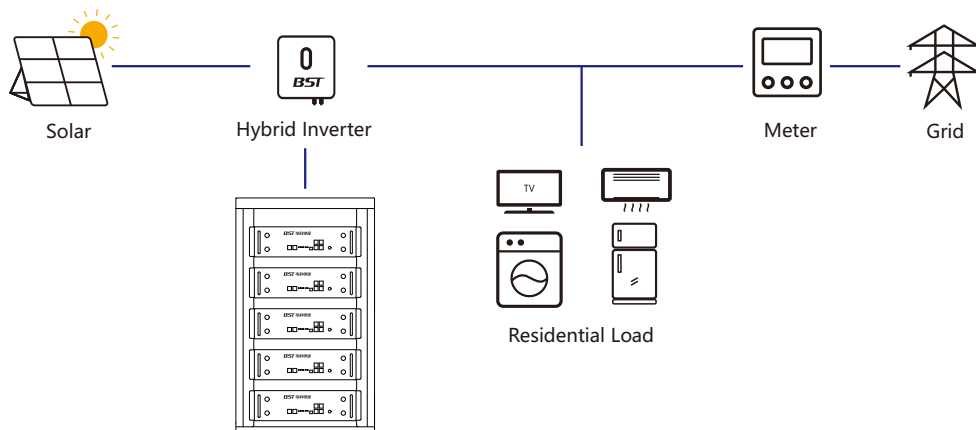
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Up to 15 Batteries in Parallel

Model		MD48-50-2U	MD48-100-3U
General			
Nominal Energy		2.4 kWh	5.12 kWh
Usable Energy		2.4 kWh	5.12 kWh
Scalability		Max. 15 in parallel (36kWh)	Max. 15 in parallel (76.8kWh)
Dimension (W x H x D)		440 x 410 x 88.5 mm	440 x 420 x 133 mm
Weight		~24 kg	~44 kg
Design Life		10 Years	10 Years
Electrical			
Nominal Voltage		48 V	51.2 V
Operating Voltage Range		40.5 ~ 53.5 V	43.2 ~ 56.8 V
Charge / Discharge Current	(Recommend)	25A / 25A	50A / 50A
	(Maximum)	50A / 50A	100A / 100A
Operation			
Charge Temperature		0 ~ 50°C	
Discharge Temperature		-10 ~ 50°C	
Storage Temperature		-20 ~ 45°C	
Humidity		5% ~ 95% RH (No Condensation)	
Altitude		≤4000m	
Ingress Protection		IP20	
Communication Interface		CAN, RS485 (Optional WIFI, BLE)	
Certification		UN38.3, EN 61000-6-1, EN 61000-6-3, IEC62619	
Compatible Inverter		BST/SMA/Deye/GOODWE/Growatt/Sofar/Solis/Victron/Voltronic	

MD48