



• Advantage



High Energy Density

5.12kWh capacity in 3U standard 19-inch rack



Over-long Warranty

7 years / 10 years optional warranty



Full Available Capacity

Support 100% DOD operation



Wide Compatibility

Compatible with a wide range of inverter brands



Proven Safety

Advanced BMS and LFP cells ensure system with highest safety

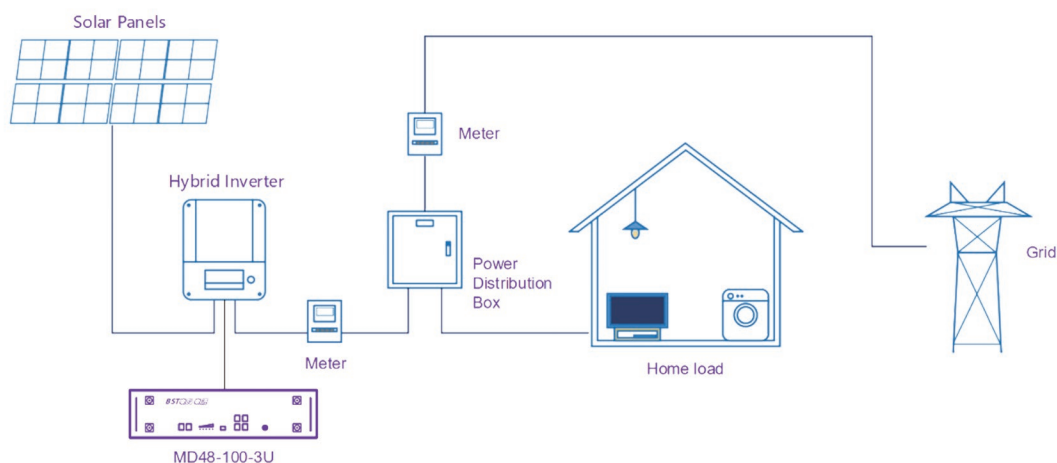


Scalability

Support up to 15 parallel connection, realize 5kWh-75kWh capacity coverage



• Run topology / Basic parameters



PARAMETERS		MD48-100-3U
Electrical	Nominal Voltage (V)	51.2
	Nominal Capacity (Ah)	100
	Nominal Energy (kWh)	5.12
	Operating Voltage Range (V)	43.2~56.8
	Standard Charging Current (A)	50
	Standard Discharging Current (A)	50
	Max. Output Power (kW)	5
Protection	Over Charge	✓
	Over Discharge	✓
	Over Current	✓
	Reverse Connection	✓
	Short Circuit	✓
	Temperature	✓
Physical	Dimensions (W×D×H, mm)	440×420×133
	Weight	~44
Others	Communication	RS485/CAN/BLE/WIFI
	Scalability	up to 15
	Charging Temperature	0~45℃
	Discharging Temperature	-20~50℃
	Design Life	10+ years
	Cycle Life	>6000
	Certification	CE UN38.3 RoHS
	Compatible Inverters	Deye/GOODWE/Growatt/Sofar/ Solis/Victron/Voltronic and more brands to be announced