ENGINEERED TO PERFORM, BUILT TO SCALE

ECHO

5.12 kWh (51.2V100AH) Rack-Mounted



- Reliable performance in diverse applications
- Durable operation with low degradation
- Certified safety with continuous BMS protection
- Seamless compatibility with inverter brands
- Flexible scalability up to 16 units in parallel

IDEAL SCENARIOS

5.12 kWh Typical Load Runtime

Lighting	Electric Kettle	Refrigerator	Air Conditioner	Water Pump
100W	1500W	150W	1500W	750W
45h	3h	30h	3h	5h

ENDURING QUALITY

Superior longevity with extended cycle life and warranty

EFFICIENT PERFORMANCE

Consistent operation with stable energy output

EXPERT COMMUNICATION

Multilingual technical support with professionalism

Applications













Technical Parameters

PARAMETER	SPECIFICATION
Model	51.2V100AH
Battery Type	LiFePO4
Rated Voltage	51.2V
Rated Capacity	100AH
Rated Energy	5.12kWh
Operating Voltage	44.8V - 57.6V
Maximum Continuous Charge Current	100A
Maximum Continuous Discharge Current	100A
Operating Temperature (Charging)	0°C - 50°C
Operating Temperature (Discharging)	-10°C - 50°C
Storage Temperature	5°C - 45°C
Protection Degree	IP20

PARAMETER	SPECIFICATION
Protection	Overcharge/discharge, overcurrent, overheat, short circuit, breaker, fuse
Communication	RS485/CAN
Scalability	Up to 16 units in parallel
Cycle Life	>6000
Warranty	10 years
Certification	UN38.3, IEC62619, CE
Weight	45kg (50kg with packaging)
Product Dimension	460*440*197(mm)
Package Dimension	550*550*290(mm)
Load Quantity	280 units in 20ft container; 540 units in 40ft container
Optional Accessories	Wi-Fi, Bluetooth, app, cables etc.