Li-ion Home Energy Storage

HS48-6 / HS48-9 / HS48-12

Safe & Reliable
Lithium Nickel Manganese Cobalt Oxide
Cell Tested and Certified Product

Lowest TCO in the Market
Cost saving

More Usable Energy
Up to 9 000 cycles

In-Software
Remote monitoring

Perfect Compatibility
Compatible with Both Residential
Single & Three-Phase Inverters

Negative Carbon Footprint Production
All energy used in production comes from RES

Decarbonization
Contributes to reduction of Carbon
for a climate-neutral society by 2050

Easy Installation
Compact and Lightweight Battery Module

Up to 98% Recyclable
Eco friendly

Technical Specification

HS48-6

HS48-9

HS48-12

Performance			
Battery installed energy	6.1 kWh	9.2 kWh	12.2 kWh
Battery usable energy (0.5C/0.5C rated at 25°C)	6.0 kWh	9.0 kWh	12.0 kWh
Output power (rated at 25°C)	6.0 kW	9.0 kW	10.2 kW
Nominal voltage	51.1 V		
Operating voltage range	45.0 – 58.0 V		
Capacity	120 Ah	180 Ah	240 Ah
Max. charge current	60 A	90 A	120 A
Max. discharge current	120 A	180 A	200 A
Cycles @100% DoD 1C/1C rated at 25°C	6 000 cycles		
Cycles @80% DoD 1C/1C rated at 25°C	7 500 cycles		
Cycles @80% DoD 0.5C/0.5C rated at 25°C	9 000 cycles		
Efficiency	Up to 98%		

Communication	
Display	SOC indicator, status indicator
Communication	RS232 / CANopen (ModBUS available Q3Y2021)
Safety	Digital outputs for charger and inverter control

General Specification			
Dimensions (L x W x H)	450 x 122 x 650 mm	450 x 122 x 850 mm	450 x 122 x 1050 mm
Dimensions (L x W x H) – mounting bracket included	450 x 157 x 650 mm	450 x 157 x 850 mm	450 x 157 x 1050 mm
Weight (Floor stand toolkit included)	53 kg	70 kg	90 kg
Installation	Floor stand, Wall mount		
Connection box	Side or Back		
Operating temperature	-10°C to + 50°C		
Recommended operating temperature	15°C to + 30°C		
Cooling	Natural convection		
Protection rating	IP 21		
Cell technology	NMC - Lithium Nickel Manganese Cobalt Oxide (LiNiMnCoO2)		
Scalability	Max. 8 systems in parallel operation		

Standard Compliance *(more available upon request)*	
Certificates	Certificate of Conformity, UN38.3

Applications

- Renewable energy integration
- Back-up power
- On-grid and off-grid operation

Typical product configuration. Appearance and interfaces may vary.

PRIME

PRIME BATTERIES TECHNOLOGY
+40 751 166 196
andreea.zaharof@primebattery.eu
www.primebattery.eu

Office & Factory
4C Oxigenului St., Cernica
077035, Ilfov County, Romania