


RESIDENTIAN ENERGY STORAGE

Low Voltage-10KWH



 **51.2V/200Ah**

**Long life prismatic LFP cell, safety and long cycle life.
200A current for 8KW inverter.
Waterproof design for outdoor installation.
Install against the wall or wall mounted.**

10KWH-51.2V200Ah



RESIDENTIAL ENERGY STORAGE



SAFETY

- Long life type prismatic LiFePO4 cells, suitable for energy storage application.
- Low voltage system, safety for application.
- Cell certification: UN38.3, ROHS, IEC62619, UL1973 and UL9540A
- Battery certification: UN38.3, MSDS, CE

DESIGN

- IP65 water-proof design, suitable for outdoor application.
- Flexible and easily installation, support wall mounted
- -20~+55°C widely temperature range.
- Maintenance free.
- Cycle life >6000 cycles.

SCALABILITY

- Parallel support for more energy
- Max. 200A larger current
- Communication compatible with the major inverter.

BATTERY MANAGEMENT SYSTEM

- Independent protection for charge and discharge.
- SOC, SOH display and PC software for detailed operation.
- OVP, LVP, OCP, OTP, LTP protection.
- RS485, CAN communication port.

10KWH-51.2V200Ah

SPECIFICATION

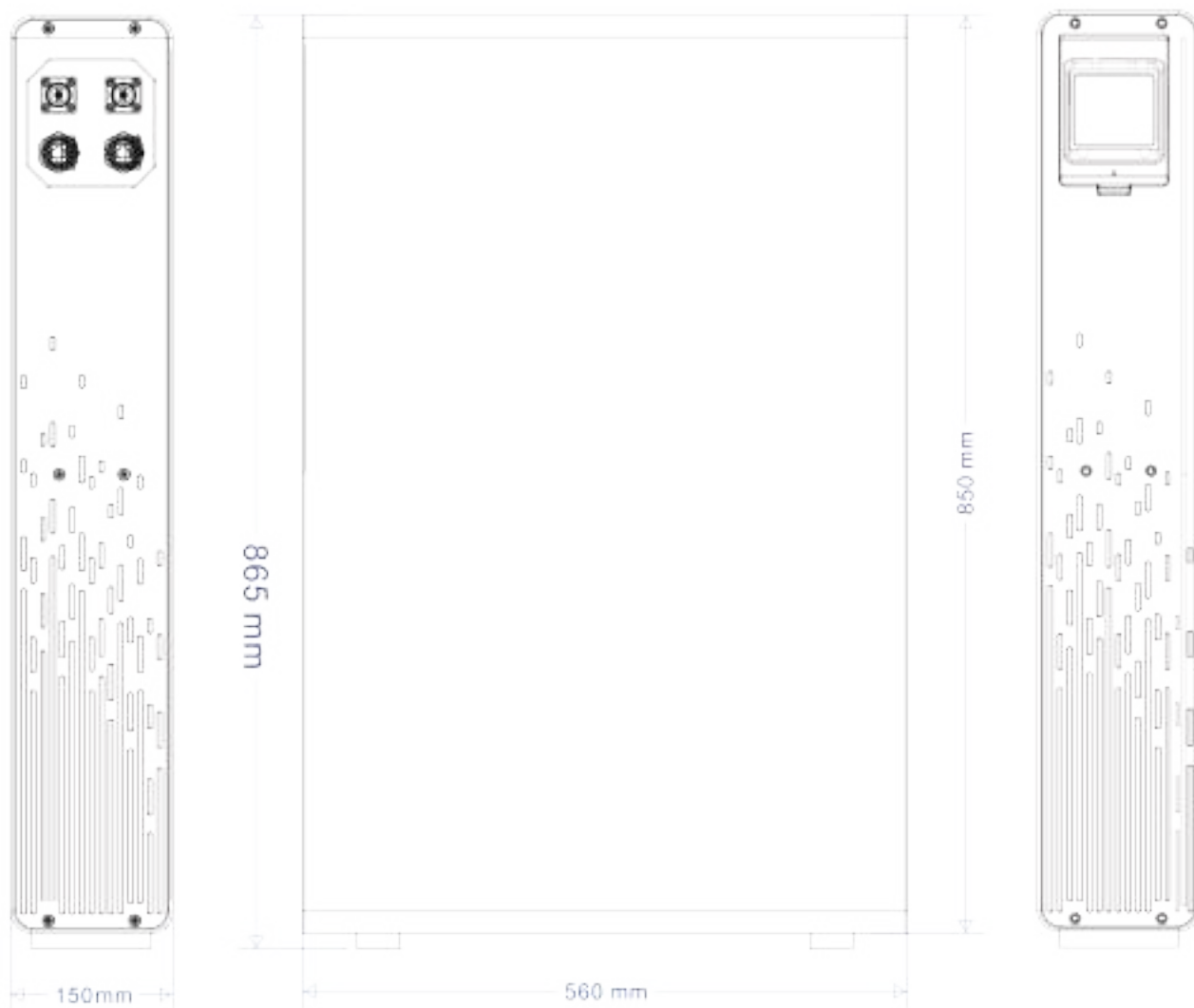
Part Number	
Model	RESS-10KWH-51.2V
Nominal Voltage [V]	51.2
Nominal Capacity [Ah]	200
Total Energy [Wh]	10.24
Dimension (W*D*H, mm)	560*150*865
Weight [Kg]	113.5
Max. Charging Current [A]	100
Max. Discharging Current [A]	200
Pulse Discharge Current	220A @5S
Charging Voltage [V]	55.2~57.6
End of Discharge Voltage [V]	44.8 (Backup Application) / 48 (Cycle Application)
Operation Humidity	0~95% RH (No condensing)
Operating Temperature Range	Standard Product: Charge: 0 ~ +55°C; Discharge: -20 ~ +55°C With Optional Heater: Charge / Discharge: -20 ~ +55°C
Cycle Life ⁽¹⁾	>6000
Designed Calendar Life	10 Years
Communication interface	RS485, CAN
Protection	Over voltage , Low voltage, Over current, Over Temperature, Low Temperature, Short circuit
Parallel Support ⁽²⁾	Yes, Max. 6 Sets
Series Support	Not support

Note:

(1) 25°C ,0.5C/0.5C, 90%DOD and 70% EOL

(2) For parallel connection, an additional combiner box is recommended.

10KWH-51.2V200Ah



Wall mounted



Install against the wall



Parallel for more energy

10KWH-51.2V200Ah

Wall mounted brackets



10KWH-51.2V200Ah

Against-Wall-mounted and parallel brackets



10KWH-51.2V200Ah

LED display for SOC, Alarm and Failure



10KWH-51.2V200Ah

250A MCB, ON/OFF Button and ID



250A quick connector and communication port (RS485, CAN)



10KWH-51.2V200Ah

250A MCB, ON/OFF Button and ID



250A quick connector and communication port (RS485, CAN)



10KWH-51.2V200Ah

IP65 waterproof battery cabinet.



Internal copper bar, FUSE and 200A BMS.

