

RESIDENTIAL ENERGY STORAGE

Low Voltage-10KWH



5KWH / 10KWH

Long life prismatic LFP cell, safety and long cycle life.

100A current for 5KW inverter.

IP65 waterproof design for outdoor installation.

Install against the wall or wall mounted.

5KWH-100A



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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.
- + Battery certification: UN38.3, MSDS, CE

SCALABILITY

- + Parallel support for more energy.
- + Communication compatible with major inverter (SMA, Victron, Megarevo, Growatt, DEYE, Voltronic, Afore, Phocos, EPEVER, MUST, INHENERGY).

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.

BATTERY MANAGEMENT SYSTEM

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

5KWH-51.2V100Ah-100A

SPECIFICATION

Part Number	
Model	RESS-5KWH-51.2V/100A
Nominal Voltage [V]	51.2
Nominal Capacity [Ah]	100
Total Energy [Wh]	5.12
Dimension (W*D*H, mm)	480*155*820
Weight [Kg]	48.5
Max. Charging Current [A]	100
Max. Discharging Current [A]	100
Pulse Discharge Current	120A @10 min 150A @1min
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: -30 ~ +55°C
Cycle Life ⁽¹⁾	>6000
Designed Calendar Life	10 Years
Communication interface	RS485, CAN for inverter Link -in & Link-out for battery to battery communication
Protection	Over voltage , Low voltage, Over current, Over Temperature, Low Temperature, Short circuit
Parallel Support ⁽²⁾	Yes, Max. 15 Sets
Series Support	Not support
Optional Part	Bluetooth Module, Heater parts (200W), Distribution box (for parallel connection)

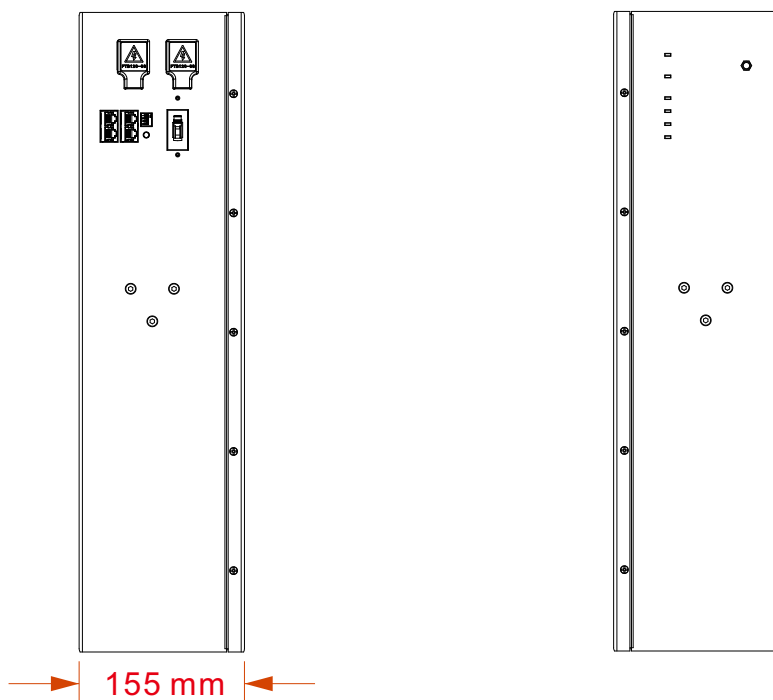
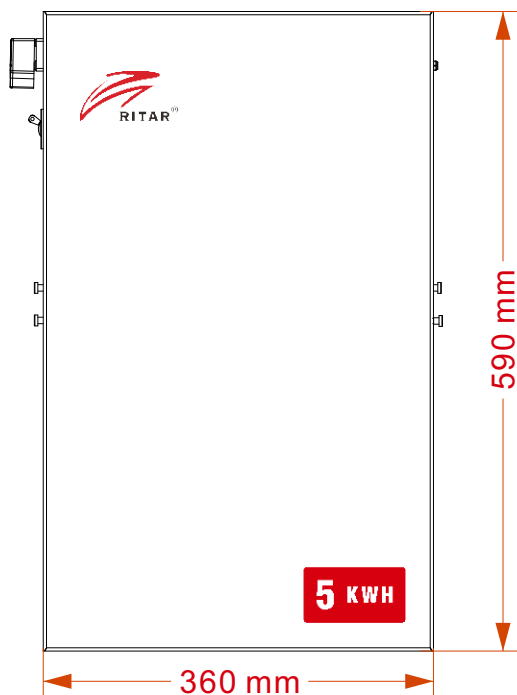
Note:

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

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

The datasheet is subject to change without prior notification

5KWH-51.2V100Ah-100A



10KWH-100A



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DESIGN

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BATTERY MANAGEMENT SYSTEM

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

10KWH-51.2V200Ah-100A

SPECIFICATION

Part Number	
Model	RESS-10KWH-51.2V/100A
Nominal Voltage [V]	51.2
Nominal Capacity [Ah]	200
Total Energy [Wh]	10.24
Dimension (W*D*H, mm)	480*155*820
Weight [Kg]	97.5
Max. Charging Current [A]	100
Max. Discharging Current [A]	100
Pulse Discharge Current	120A @10 min 150A @1min
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: -30 ~ +55°C
Cycle Life ⁽¹⁾	>6000
Designed Calendar Life	10 Years
Communication interface	RS485, CAN for inverter Link -in & Link-out for battery to battery communication
Protection	Over voltage , Low voltage, Over current, Over Temperature, Low Temperature, Short circuit
Parallel Support ⁽²⁾	Yes, Max. 15 Sets
Series Support	Not support
Optional Part	Bluetooth Module, Heater parts (400W), Distribution box (for parallel connection)

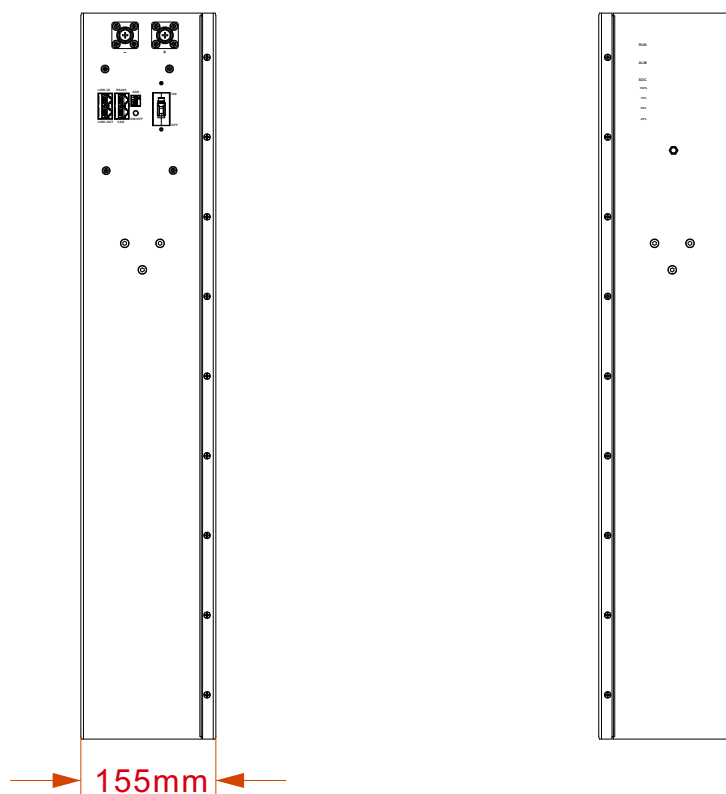
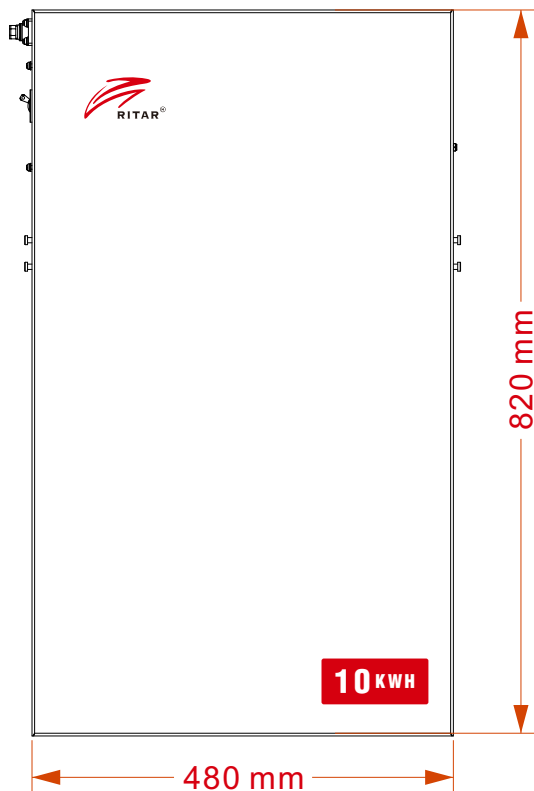
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10KWH-51.2V200Ah-100A



Wall mounted brackets



Wall-against installation brackets



Power connector

Communication Port

MCB-125A

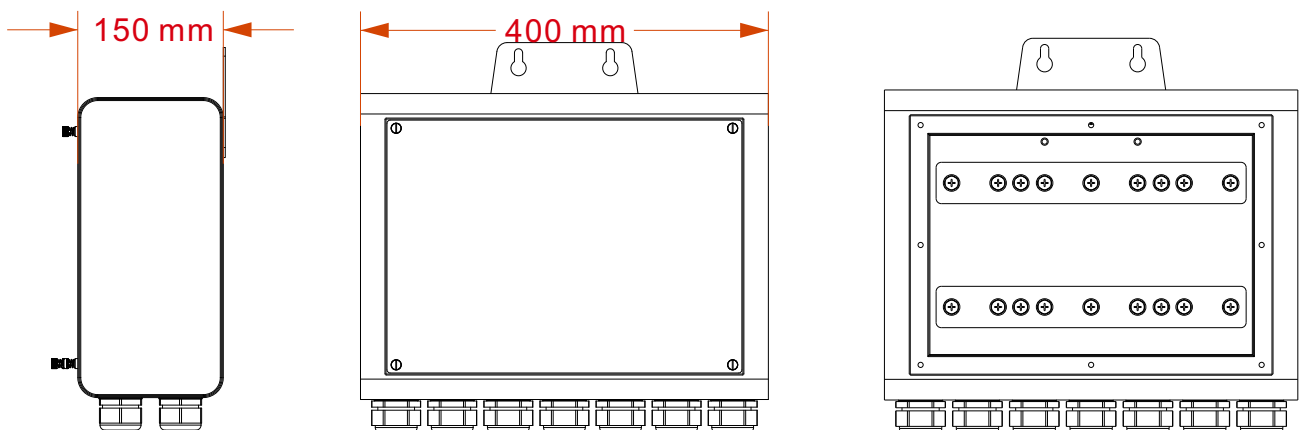
LED display for SOC, Alarm and Failure



Distribution box for parallel



Distribution box for parallel



Note:

Distribution box support max 6 batteries in parallel and total current $\leq 300A$.