

ALL IN ONE RESIDENTIAL ENERGY STORAGE

INV-5KW-EU-220Vac

INV-5KW-AM-110Vac

BAT-5KWH-51.2V

BAT-10KWH-51.2V-150A

BAT-10KWH-51.2V-200A



5KWH-51.2V100Ah



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

- + IP20 class for indoor 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.
- + Support 5KW inverter
- + Communication compatible with major inverter (SMA, Victron, Megarevo, Growatt, DEYE, Voltronic, Afore, Phocos, EPEVER, MUST, INHENERGY).

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

SPECIFICATION

Part Number	
Model	BAT-5KWH-51.2V
Nominal Voltage [V]	51.2
Nominal Capacity [Ah]	100
Total Energy [Wh]	10240
Dimension (W*D*H, mm)	520*165*566
Weight [Kg]	50
Max. Charging Current [A]	100
Max. Discharging Current [A]	100
Pulse Discharge Current	110A @10min 120A @10s
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
Protection	Over voltage , Low voltage, Over current, Over Temperature, Low Temperature, Short circuit
Parallel Support ⁽²⁾	Yes, Max. 6 Sets
Series Support	Not support
Optional Part	Bluetooth Module, Heater parts (200W), Distribution box (for parallel connection)

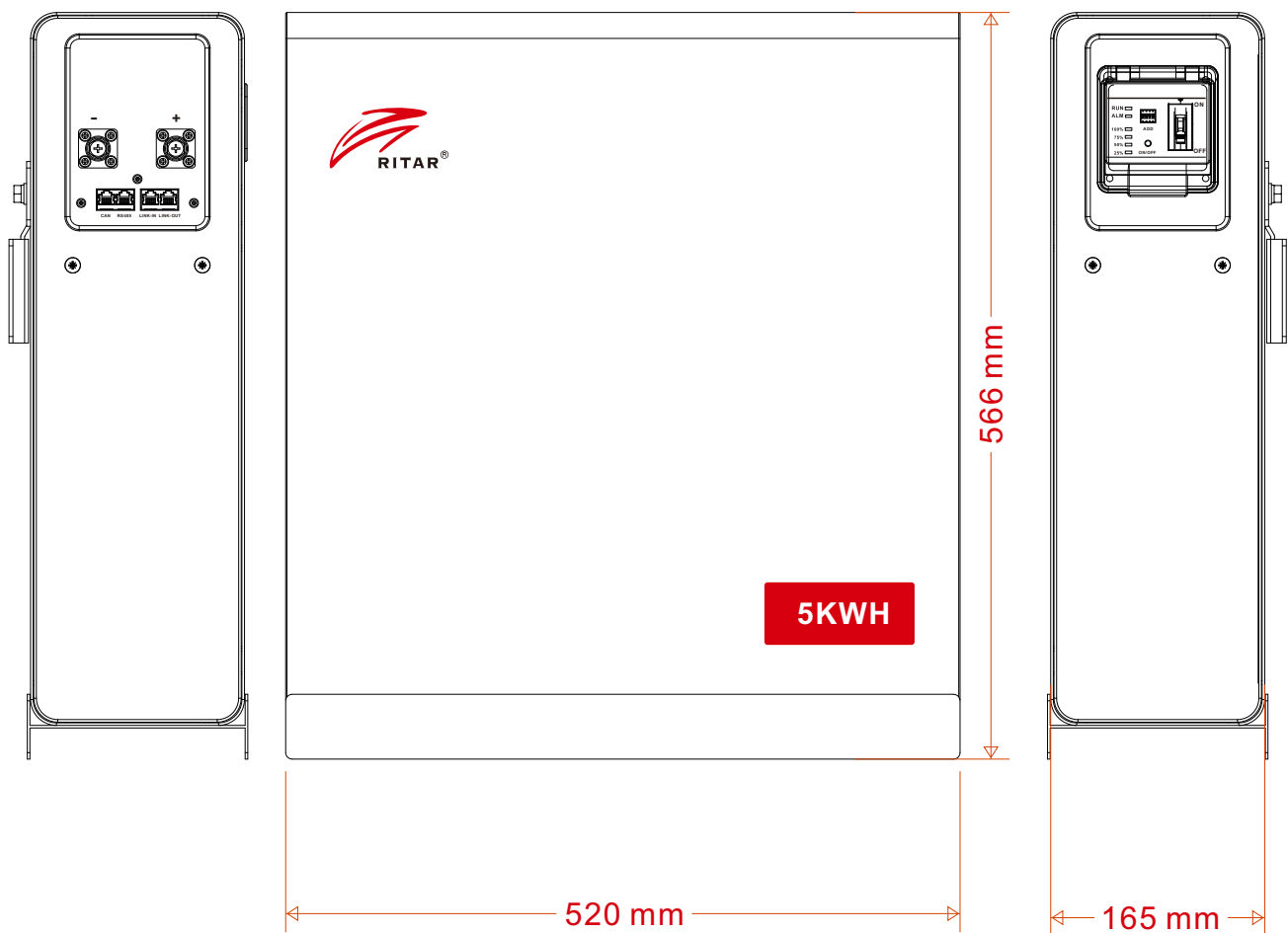
Note:

(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



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

- + Indoor 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.
- + 150A and 200A current is available.
- + Communication compatible with major inverter (SMA, Victron, Megarevo, Growatt, DEYE, Voltronic, Afore, Phocos, EPEVER, MUST, INHENERGY).

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

SPECIFICATION

Part Number		
Model	BAT-10KWH-51.2V 150A	BAT-10KWH-51.2V 200A
Nominal Voltage [V]	51.2	51.2
Nominal Capacity [Ah]	200	200
Total Energy [Wh]	10.24	10.24
Dimension (W*D*H, mm)	520*165*865	520*165*865
Weight [Kg]	103.5	105.0
Max. Charging Current [A]	150	200
Max. Discharging Current [A]	150	200
Pulse Discharge Current	165A @60S 180A @10S	220A @60S 240A @10S
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	
Protection	Over voltage , Low voltage, Over current, Over Temperature, Low Temperature, Short circuit	
Parallel Support ⁽²⁾	Yes, Max. 6 Sets	
Series Support	Not support	
Optional Part	Bluetooth Module, Heater parts (400W), 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

10KWH-51.2V200Ah

