

epcom[®]

POWER ⚡ LINE

RES1005K

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
- + Cycle life >6000 cycles.

DESIGN

- + Flexible and easily installation, support wall mounted.
- + -20~+55°C widely temperature range.
- + Parallel support for more energy or more capacity inverter.
- + SOC, RUN, ALARM display and APP for detailed operation.
- + OVP, LVP, OCP, OTP, LTP protection.
- + RS485,CAN communication port for inverter.

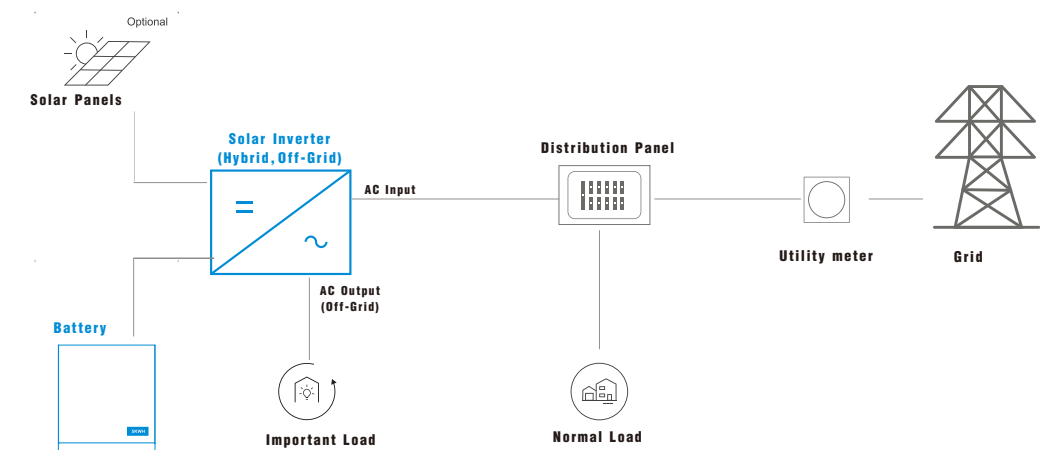
Compatible with inverter brands

Communication compatible with major inverter



LOW VOLTAGE BATTERY-51.2V 5KWH / 10KWH

SYSTEM TOPOLOGY



PARAMETERS

Model	RES1005K
Nominal Voltage [V]	51.2
Nominal Capacity [Ah]	100
Total Energy [Wh]	5120
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 (1)	Standard Product: Charge: 0 ~ +55°C; Discharge: -20 ~ +55°C With Optional Heater: Charge / Discharge: -30 ~ +55°C
Cycle Life	>6000
Designed Calendar Life	10 Years
Communication interface	RS485, CAN
Protection (2)	Over voltage , Low voltage, Over current, Over Temperature, Low Temperature, Short circuit
Parallel Support	Yes, Max. 15 Sets
Series Support	Not support

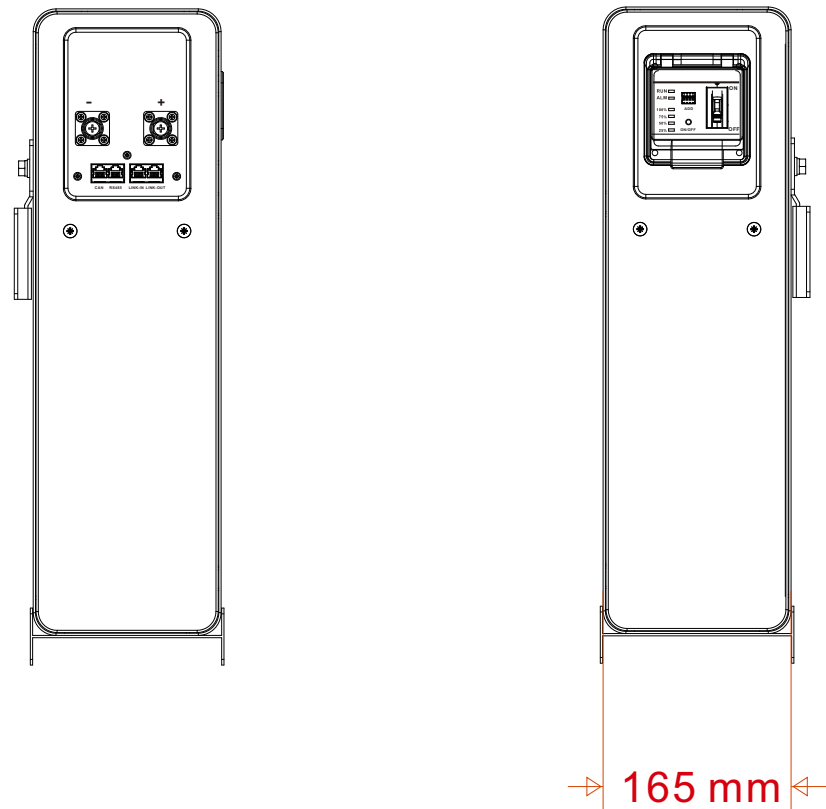
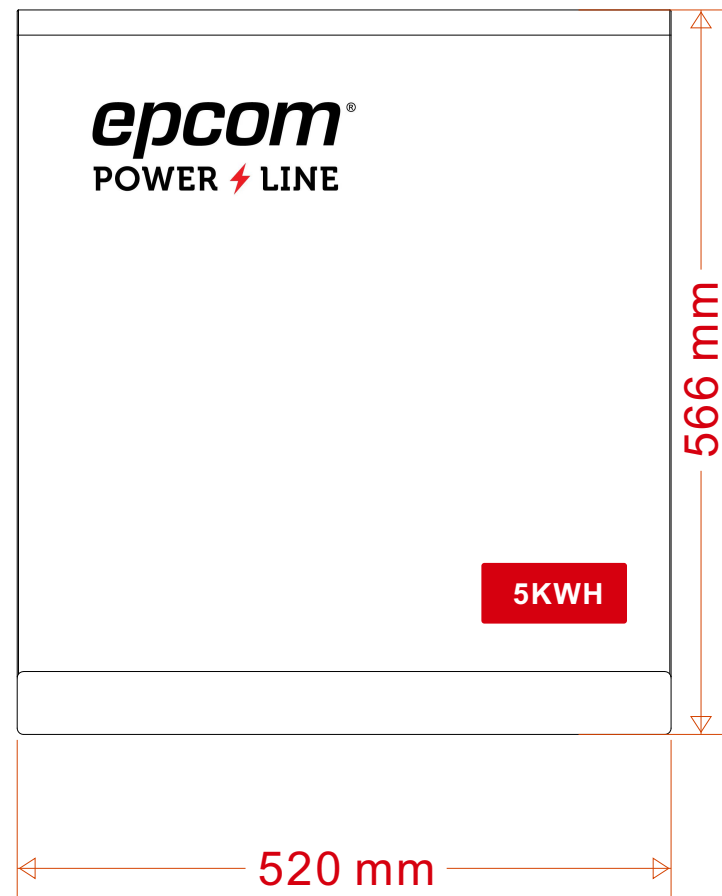
Note:

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

(2) For parallel connection, refer to user manual.

LOW VOLTAGE BATTERY-51.2V 5KWH

DIMENSION



LOW VOLTAGE BATTERY-51.2V 5KWH

DETAILS

