

20/25/30/35/40KWH



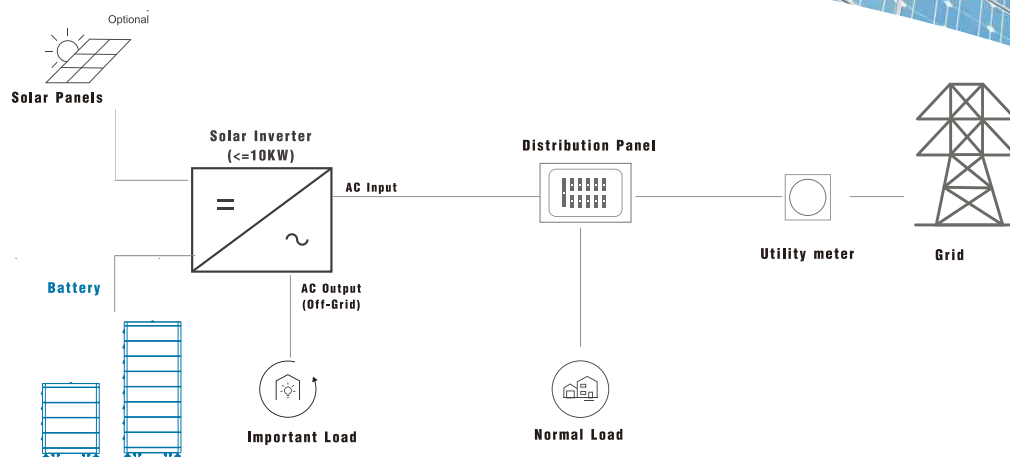
SAFETY

- + 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, UL1973, UL9540A, UL9540, FCC certification.
- + Cycle life >6000 cycles.

DESIGN

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

SYSTEM TOPOLOGY



PARAMETERS

Model	20KWH-LV	25KWH-LV	30KWH-LV	35KWH-LV	40KWH-LV
Battery Module	LFP51.2V100Ah-LV				
Battery Module Qty	4 pcs	5 pcs	6 pcs	7 pcs	8 pcs
Nominal Voltage [V]	51.2	51.2	51.2	51.2	51.2
Nominal Capacity [Ah]	400	500	600	700	800
Total Energy [Wh]	20480	25600	30720	35840	40960
Dimension (W*D*H, mm)	600*490*800	600*490*960	600*490*1120	600*490*1280	600*490*1440
Weight [Kg]	212.5	260.5	308.5	356.5	404.5
Max. Charging Current [A]	200	200	200	200	200
Max. Discharging Current [A]	200	200	200	200	200
Pulse Discharge Current	220A @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	Charge: 0 ~ +55°C; Discharge: -20 ~ +55°C				
Cycle Life ⁽¹⁾	>6000				
Designed Calendar Life	10 Years				
Communication interface	RS485, CAN				
Protection	Over voltage , Over discharge, Over current, Over temperature, Low Temperature, Short circuit				
Series Support	No Support				
Certification ⁽²⁾	UI1973, UL9540A, UL9540, FCC				

Note:

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

(2) UL certification is undergoing.

Low Voltage RESS

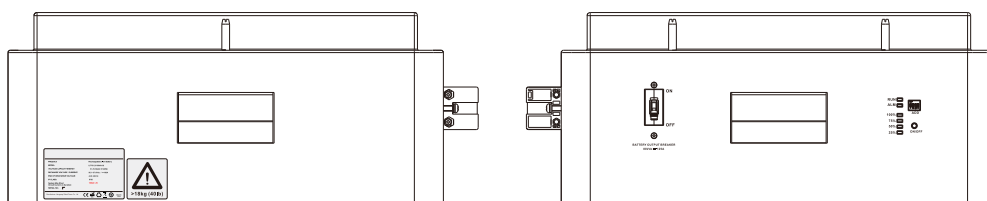
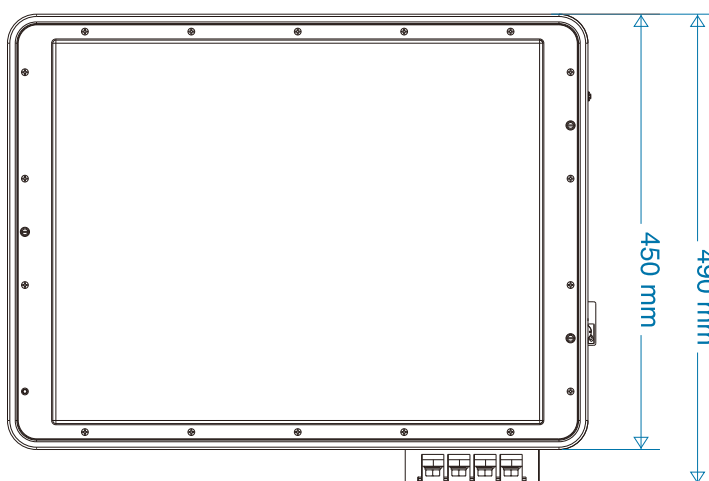
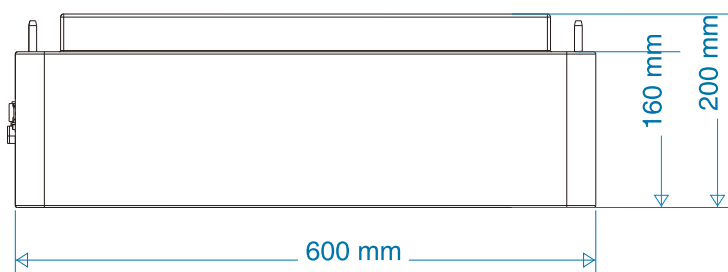
Battery Module



Model	LFP51.2V100Ah-LV
Cell model and connection	CB74-104Ah 1P16S
Nominal Voltage [V]	51.2
Nominal Capacity [Ah]	100
Total Energy [Wh]	5120
Dimension (W*D*H, mm)	600*490*200
Weight [Kg]	48
Max. Charging Current [A]	100
Max. Discharging Current [A]	100
Pulse Discharge Current	110A @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	Charge: 0 ~ +55°C; Discharge: -20 ~ +55°C
Cycle Life	>6000
Designed Calendar Life	10 Years
Communication interface	RS485, CAN
Protection	Over voltage , Over discharge, Over current, Over temperature, Low Temperature, Short circuit
Series Support	No Support
Parallel Support	Yes, Max. 15pcs
Certification	UN38.3, MSDS

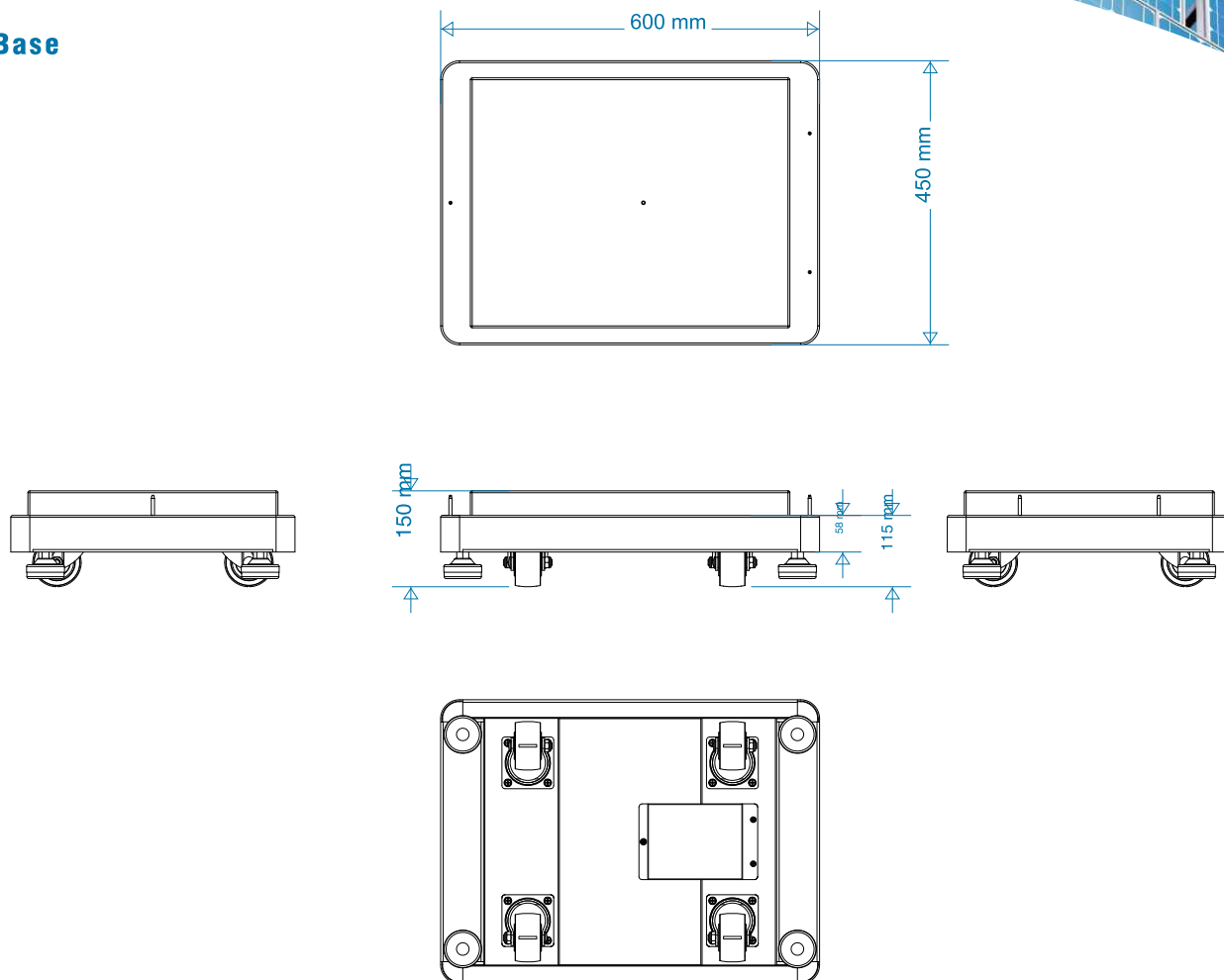
DIMENSION

Battery Module

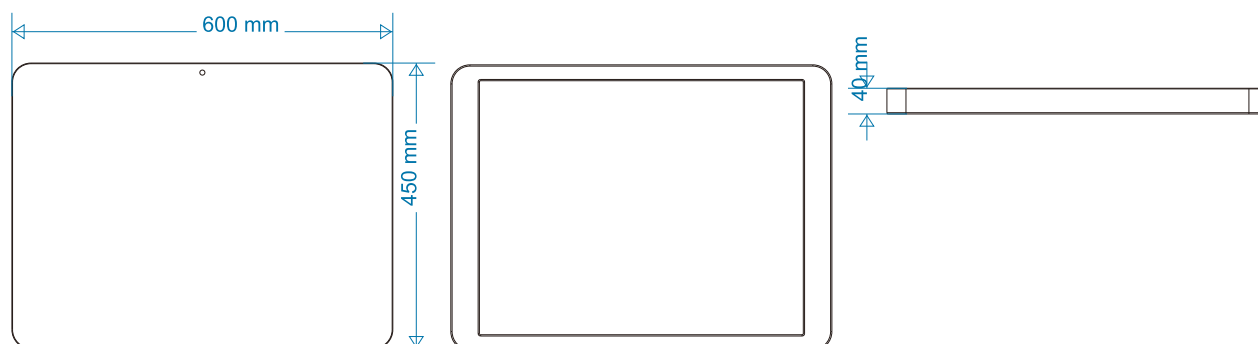


DIMENSION

Base



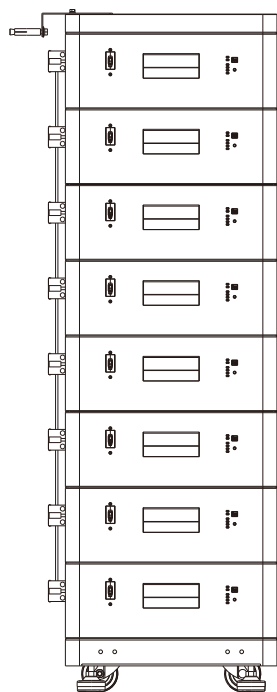
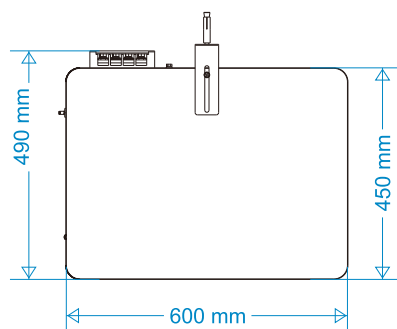
Top Cover



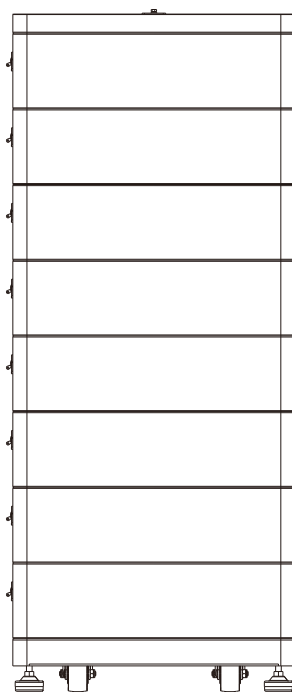
DIMENSION

40KWH-LV

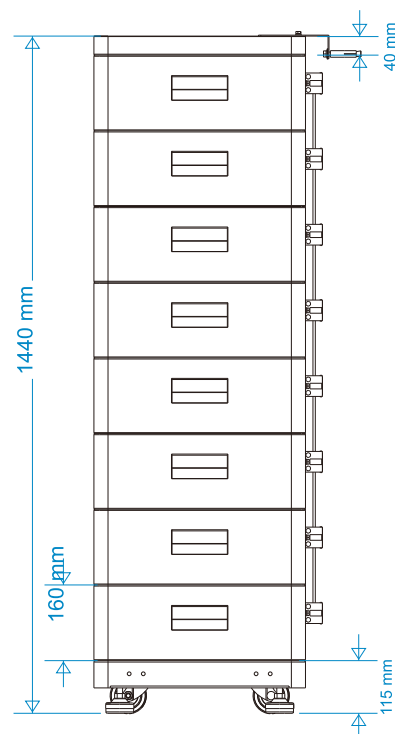
Top view



Left



Front view



Right