



LFP 5-10KWH / LV

51.2V 100/200Ah

LiFePO4 BATTERY



High inverter
compatibility



Natural cooling system



>15 Years life span



Reliable LFP cells



Scalable up to
160kWh 16 (Parallel)



Cells cycle times
6000 cycles



CANbus standard
connection



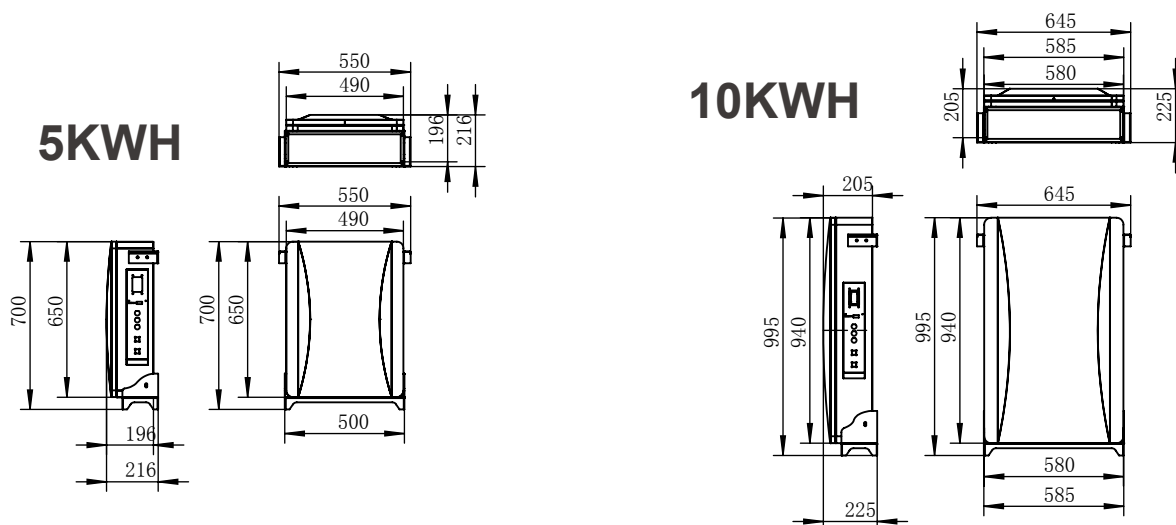
IP65 Rating
Triple hardware protection



Smart BMS system to
optimize the performance



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LIGHTING UP THE FUTURE



Electrical Characteristics

Module Type	LFP 5kWh/LV	LFP 10kWh/LV
Total Energy*	5kWh	10kWh
Usable Energy(DC)*	4.6kWh	9.2kWh
Nominal Dis-/Charge Power	3kW	4.6kW
Peak Power(Only Discharge)	7kWh for 3 seconds	10kWh for 3 seconds
Constant Current(Only Discharge)	100A	100A
Voltage	48~56Vd.c	48~56Vd.c
Nominal Voltage	51.2Vd.c	51.2Vd.c
Nominal Current	60A	100A
Max. Charge Voltage	59.2V±0.5V d.c	59.2V±0.5V d.c
Weight	65kg	125kg
Dimension(mm)	490(550)*650(700)*196(216)mm	585(645)*940(995)*205(225)mm
Safety	CE,UN38.3,IEC62619,IEC63056,IEC62477	CE,UN38.3,IEC62619,IEC63056,IEC62477

Max.recommended DOD	90%
Operating Condition	Indoor or outdoor
Operating Charge	From 0~45 °C
Temperature Discharge	From -10~50 °C
Humidity	4~100% (No condensed water)
Pollution Degree	3
Over Voltage Category	II
Cooling Type	Natural cooling
Case Material	Metal+Plastic
IP rating	IP 65
Protective Class	I
Max. Number of Parallel	16
Warranty	10 years
Life Span	>15 years
Communication	CAN/RS485
Protection Mode	Triple hardware protection
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage
Hazardous Material Classification	9

Compatible Inverters

