SUNKET-ESS®



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

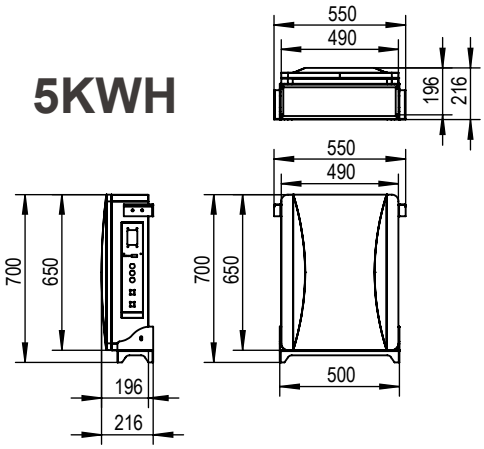
TÜV NORD CE MSDS UN 38.3 ISO AIG

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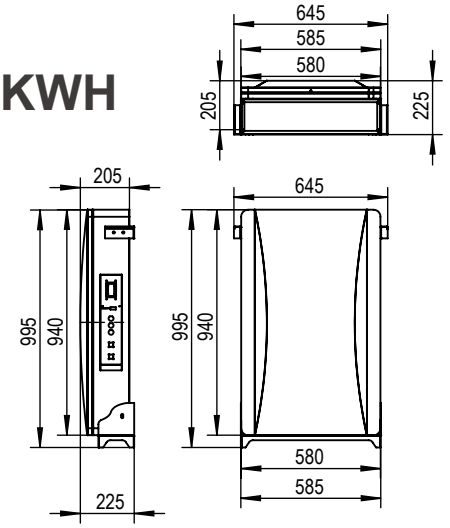
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LFP 5-10KWH / LV
51.2V 100/200Ah

5KWH



10KWH



Electrical Characteristics

Module Type	LFP 5kWh/LV	LFP 10kWh/LV
Nominal Capacitance	100Ah	200Ah
Total Energy*	5.12kWh	10.24kWh
Usable Energy(DC)*	4.6kWh	9.2kWh
Nominal Dis-/Charge Power	2.5kW	5kW
Peak Power(Only Discharge)	2.9kW for 3 seconds	5.8kW for 3 seconds
Constant Current(Only Discharge)	50A	100A
Voltage	48~56Vd.c	48~56Vd.c
Nominal Voltage	51.2Vd.c	51.2Vd.c
Max. Charge Voltage	59.2V±0.5V d.c	59.2V±0.5V d.c
Weight	65kg	116.5kg
Dimension(mm)	490(550)*650(700)*196(216)mm	585(645)*940(995)*205(225)mm
Safety	CE,UN38.3,IEC62619,IEC63056	CE,UN38.3,IEC62619,IEC63056

Max.recommended DOD		90%
Operating Condition		Indoor or outdoor
Operating Temperature	Charge	From 0~45℃
	Discharge	From -10~50℃
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

victron energy · GOODWE · Growatt · LUXPOWER TEK · Deye 德業 · solis · SOFAR SOLAR · Voltronic Power · Afore艾伏 · SMA

www.sunketess.com sales@sunket.cn

Specifications are subject to change without further notification

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