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

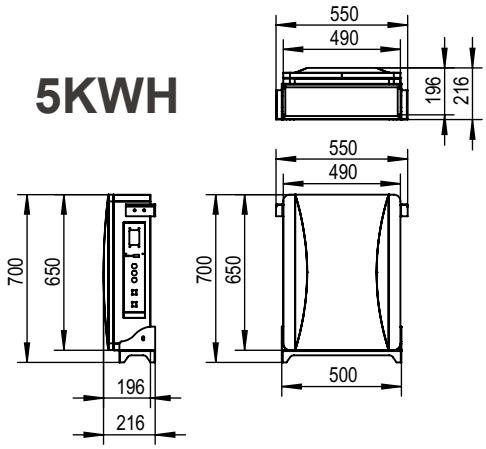
TÜV NORD UK CA CE MSDS UN 38.3 ISO

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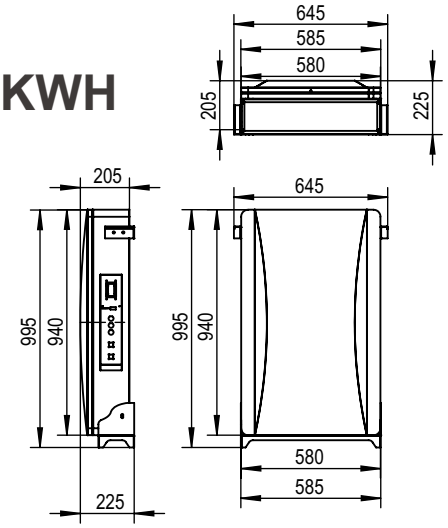
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LFP 5-10KWH / LV
51.2V 100/200Ah

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 Cuurrent	50A / 50A	100A / 100A
Voltage Range	43.2~58.4Vd.c	43.2~58.4Vd.c
Nominal Voltage	51.2Vd.c	51.2Vd.c
Max. Charge Voltage	58.4Vd.c	58.4Vd.c
Weight	58kg	109kg
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℃
Operating Temperature Discharge	From -10~50℃
Humidity	4~100%（non-condensing）
Pollution Degree	3
Over Voltage Category	II
Cooling Type	Natural cooling
Case Material	Metal+Plastic
IP rating	IP 65
Protective Class	I
Max. Number in 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 BLUE POWER
GOODWE YOUR SOLAR ENGINE
Growatt powering tomorrow
LUXPOWER TEK
Deye 德業
solis
SOFAR SOLAR
Voltronic Power Advancing Power
Afore 艾伏
SMA

Specifications are subject to change without further notification
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