SUNKET®-ESS



LFP 5-10KWH / LV

51.2V 100/200Ah

RECHARGERABLE LITHIUM 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

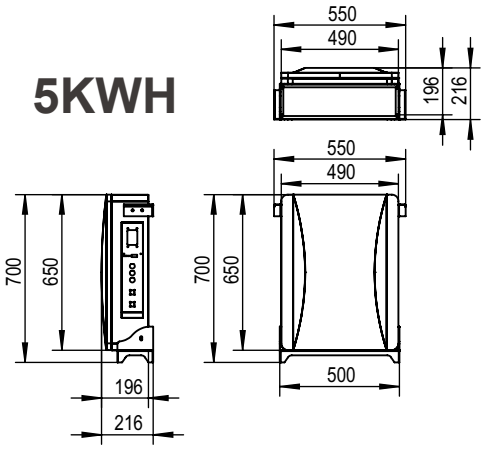
TÜV CE UN 38.3

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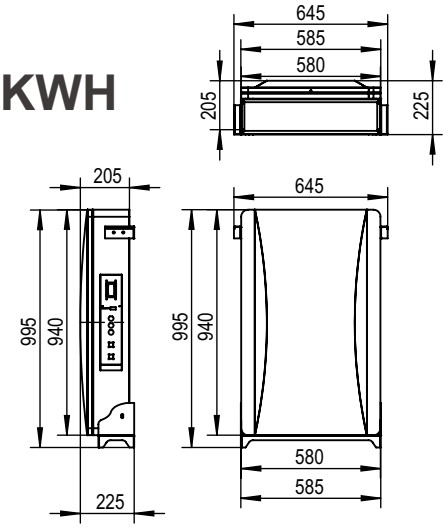
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51.2V 100/200Ah

5KWH



10KWH



Electrical Characteristics

Module Type	LFP 5kWh/LV	LFP 10kWh/LV
Nominal Capacity (at 25 °C)	5.12kWh	10.24kWh
Usable Capacity (90%DOD)	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
Operating Voltage Range (V)	43~58V	43~58V
Nominal Voltage	51.2Vd.c	51.2Vd.c
Weight	58kg	109kg
Dimension(mm)	490(550)*650(700)*196(216)mm	585(645)*940(995)*205(225)mm
Certificates	CE,UN38.3,IEC62619,IEC63056	CE,UN38.3,IEC62619,IEC63056

Operating Condition	Indoor or outdoor
Operating Temperature Charge	From 0~45°C
Opearting Temperature Discharge	From -10~50°C
Humidity	Up to 90%（non- condensing）
Pollution Degree	3
Over Voltage Category	II
Cooling Type	Natural cooling
IP rating	IP 65
Protective Class	I
Max. Number of Parallel	16
Warranty	10 years
Life Span	>15 years
Communication Interface	CAN/RS485
Protection Mode	Triple hardware protection
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage

Compatible Inverters

victron energy BLUE POWER
GROWATT
SOFAR SOLAR
LUXPOWER TEK
Deye
solis
Afore 艾伏
SMA

Specifications are subject to change without further notification
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