

# Li-Smart High Voltage Modular & Stacked Lithium Battery 10KWH-50KWH 6000 Cycles Cells

10.2KWH,15.3KWH,20.4KWH,25.6KWH,35.8KWH,40.9KWH,46.0KWH,51.2KWH



## Main Features

- Top brand new LiFePO4 cells, super safety.
- 5 Years warranty, 6000+ cycles, 10+ years life design.
- Modular&stacked design for easy extension.
- 100A smart BMS for each modular, matches well with solar system.
- All around protection and unattended operation.
- High voltage stack with central BMS, compatible with SUNIN 8K-12K inverter.

### SAKO leading technology:

- Internal battery temperature reaches 1000°C within 10mins, the cover remains at normal temperature.

MODEL	SK-10.2KWh	SK-15.3KWh	SK-20.4KWh	SK-25.6KWh	SK-30.7KWh	SK-35.8KWh	SK-40.9KWh	SK-46.0KWh	SK-51.2KWh
<b>SPECIFICATION</b>									
System Demo									
Battery cell type	LiFe PO4								
Battery Module	51.2V/100Ah								
No. of Module	2	3	4	5	6	7	8	9	10
Normal Capacity(25°C,0.2C)	10.24KWh	15.36KWh	20.48KWh	25.6KWh	30.72KWh	35.84KWh	40.96KWh	46.08KWh	51.2KWh
Normal Voltage (dc)	102.4V	153.6V	204.8V	256.0V	307.2V	358.4V	409.6V	460.8V	512.0V
Voltage window (dc)	89.6 ~ 116.8V	134.4-175.2V	179.2-233.6V	224.0-292.0V	268.8-350.4V	313.6-408.8V	358.4-467.2V	403.2-525.6V	448.0-584.0V
Dimension(WxDxH MM)	703*490*611	703*490*803	703*490*995	703*490*1187	703*490*1379	703*490*1571	703*490*1763	703*490*1955	703*490*2147
Weight(NW Kg)	123Kg	172Kg	221Kg	266Kg	315Kg	368Kg	417Kg	466Kg	515Kg
Normal charge/ discharge current	50A								
Max.charge/ discharge current	100A								
Cycle life (+25°C 0.2C 90%DOD)	6000								
Terminal	Double M8								
Storage temperature	0°C~ 30°C								
Storage duration	6 months at 25°C								
Safety standard	UN38.3,MSDS,IEC62619,EN62619,EN61000								
IP degree	IP54								
Communication function	RS485,CAN								
<b>PROTECTION</b>									
Protection	Over charge protection, Over discharge protection, Over current protection, Shortcircuit protection, Over temperature protection								
<b>AMBIENT</b>									
working Temperature	-10°C~ +50°C								
Humidity	0~95% ( no condensation)								

Smart BMS supports communication with different brand of hybrid inverter