

Li-Smart Low Voltage Modular & Stacked Lithium Battery 5KWH-20KWH 6000 Cycles Cells

51.2V 100Ah, 51.2V 200Ah, 51.2V 300Ah, 51.2V 400Ah



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.
- Integrated with multiple communication protocols for 10+ brands of inverters.

SAKO leading technology:

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



SPECIFICATION	MODEL	SK-51.2V100Ah Li-Smart Series	SK-51.2V200Ah Li-Smart Series	SK-51.2V300Ah Li-Smart Series	SK-51.2V400Ah Li-Smart Series
Battery Type		LiFePO4	LiFePO4	LiFePO4	LiFePO4
Normal Capacity(25°C, 0.2C)		5120Wh*1 set	5120Wh*2set	5120Wh*3 set	5120Wh*4 set
Usable Energy(90%DOD)		4608Wh	9216Wh	13824Wh	18432Wh
Voltage window		44.8 ~ 58.4V	44.8~58.4V	44.8 ~ 58.4V	44.8 ~ 58.4V
Fast Charge Voltage		57.6V	57.6V	57.6V	57.6V
Folat Charge Voltage		56.0V	56.0V	56.0V	56.0V
Low DC Cut-off Voltage		46.8V	46.8V	46.8V	46.8V
Max.continue discharge current		100A	150A	200A	400A
Max.pulse discharge current		150A 1Sec.	200A1Sec.	300A 1Sec.	600A 1Sec.
Max.continue charge current		50A	100A	150A	200A
Scalable		1~15 in parallel			
Communication		CAN,RS485			
Cycle life		>6000 Cycles@(+25°C,0.5C,90%DOD,60%EOL)			
Terminal		double M6			
Storage temperature		0°C~ 30°C			
Storage duration		6 months at 25°C			
Safety standard		UN38.3,MSDS			
IP degree		IP54			
Communication function		RS485/CAN(Communication protocol supported inverter brand: Deye, Growatt, Voltroni, GOODWE, VICTRON, PYLONTEC, SMA, SOFAR)			
PROTECTION					
Protection		Over charge protection, Over discharge protection, Over current protection, Shortcircuit protection, Over temperature protection			
AMBIENT					
working Temperature		-10°C~ +50°C			
Humidity		0~95% (no condensation)			
DIMENSION OF EACH MODULAR					
L×W×H (Case base size) mm		703*490*95mm (7.0Kg)	703*490*95mm (7.0Kg)	703*490*95mm (7.0Kg)	703*490*95mm (7.0Kg)
L×W×H (Case base package size) mm		715*497*107mm (7.5Kg)	715*497*107mm (7.5Kg)	715*497*107mm (7.5Kg)	715*497*107mm (7.5Kg)
L×W×H (products size) mm		703*490*192mm * 1	703*490*192mm * 2	703*490*192mm* 3	703*490*192mm* 4
L×W×H (package size) mm		763*545*296mm* 1	763*545*296mm * 2	763*545*296mm* 3	763*545*296mm* 4
System Weight(NW Kg)		49.4Kg * 1	49.4Kg * 2	49.4Kg * 3	49.4Kg * 4
System Weight(GW Kg)		53.5Kg * 1	53.5Kg * 2	53.5Kg * 3	53.5Kg * 4
20FT QTY(UNIT)		196	98	65	49

Smart BMS supports communication with different brand of hybrid inverter