



## Li-S Smart High Quality Modular & Stacked Lithium Battery System 5KWH-20KWH with 6000 Cycles

### Main Features

- Top brand cells such as CATL/BAK , grade A+ quality
- Cells cycle times 6000 cycles, 5 years warranty, 10+ years life design
- Optional for cells brand (BAK/CATL) and IP Level (IP20/65)
- Modular & Stacked Design for easy installation and expansion
- High density, small size and weight
- Big charge and discharge current , suitable for solar storage system
- LCD display with communication port(CAN/RS485/RS232) .
- Smart BMS can communicate with Different Brand of Solar Inverter like: Deye, Growatt, Voltronic, Goodwe, SMA, etc



MODEL	SK-51.2V100AH	SK-51.2V200AH	SK-51.2V300AH	SK-51.2V400AH
Battery Module	SK-51.2V100AH			
No. of Module	1	2	3	4
Normal Capacity(25°C , 0.2C)	100Ah (5120Wh)	200Ah (10.24KWh)	300Ah (15.36KWh)	400Ah (20.48KWh)
Battery Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Voltage window (Vdc)	44.8 ~ 58.4V	44.8 ~ 58.4V	44.8 ~ 58.4V	44.8 ~ 58.4V
Folat Charge Voltage(Vdc)	55.2V	56.0V	56.0V	56.0V
Max.continue discharge current	100A	200A	300A	400A
Max.pulse discharge current ( A)	150A 1Sec.	300A 1Sec.	450A 1Sec.	600A 1Sec.
Max.continue charge current ( A)	50A	100A	150A	200A
Cycle life(+25°C 0.2C 100%DOD)	>6000 Cycles	>6000 Cycles	>6000 Cycles	>6000 Cycles
Terminal	Double M8	Double M8	Double M8	Double M8
Cell brand	CATL or BAK (BAK for IP 65 design only)			
IP degree	IP20, IP 65 (Optional)			
Storage temperature	0C ~ 30C			
Storage duration	6 months at 25 C			
Safety standard	UN38.3,MSDS,CE			
Communication function	RS485/CAN(Communication protocol supported inverter brand: Deye, Growatt, Voltroni, GOODWE, VICTRON, PYLONTEC, SMA, SOFAR)			
<b>PROTECTION</b>				
Protection	Overcharge protection· Overdischarge protection· Overcurrent protection· Shortcircuit protection· Overtemperature protection			
<b>AMBIENT</b>				
Noise(dB)	< 40dB (1 meter)			
Working Temperature	-10C ~ +50C			
Humidity	0~95% ( no condensation)			
Sea Level(m)	≤1500			
<b>DIMENSION (Following data is for 1pc*basement only)</b>				
L×W×H (products size) mm	CATL (IP20): 830*422*95	CATL(IP65):850*430*95	BAK(IP65):703*455*95	
L×W×H (package size) mm	CATL (IP20): 842*434*107	CATL(IP65):862*442*147	BAK(IP65):716*468*108	
Weight(NW Kg)	CATL (IP20): 7KGS	CATL(IP65):7.5KGS	BAK(IP65):6KGS	
Weight(GW Kg)	CATL (IP20): 7.5KGS	CATL(IP65): 8KGS	BAK(IP65):6.5KGS	
<b>DIMENSION(Following data is for 1pc*51.2V100AH modular only)</b>				
L×W×H (products size) mm	CATL (IP20): 830*445*192	CATL(IP65):870*454*192	BAK(IP65):720*478*192	
L×W×H (package size) mm	CATL (IP20): 882*489*249	CATL(IP65):927*502*254	BAK(IP65):761*518*250	
Weight(NW Kg)	CATL (IP20): 58KGS	CATL(IP65):59KGS	BAK(IP65):51KGS	
Weight(GW Kg)	CATL (IP20): 60KGS	CATL(IP65):61KGS	BAK(IP65):53KGS	

Smart BMS supports communication with different brand of hybrid inverter