

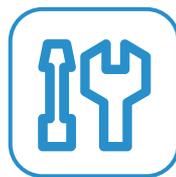
# Residential ESS

## S51100 (51.2V 100AH)

The S51100 features an expanded capacity, tailored to meet the demands of both residential and commercial low voltage energy storage systems. It supports the parallel connection of up to 15 batteries, accommodating a wider range of users. It stands out as a powerful, high-capacity, and modular solution.



**Stronger Scalability**  
Module Design  
Flexible expansion



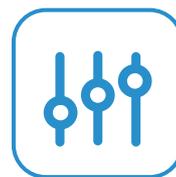
**Easier Installation**  
Stackable with  
flexible brackets



**Higher Level Safety**  
LFP & Smart BMS



**Longer Life Time**  
Long cycle life and  
superior performance



**Wider Compatibility**  
Compatible with Top  
inverter brands



## Specification S51100

Model	S51100
Battery Module Type	LiFePO4
Nominal Battery Energy (KWH)	5.12
Nominal Capacity (AH)	100
Nominal Voltage (V)	51.2
Usable Energy (KWH)	4.096
Operatin Voltage (V)	44.8~57.6
Recomended Charge & Discharge C Rate	0.5C
Recommend Charge/ Discharge Current (A)	50
Max Charge/ Discharge Current(A)	100
Dimensions (W*D*H,mm )	482*177.8*442
Net Weight (kg)	45
Communication	RS485/RS232/CAN
Working Temperature	0℃~50℃ Charge - 10℃~50℃ Discharge
Shelf Temperature	-20℃~60℃
Protection Level	IP20
Expansion	Up to 15 units in parallel
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	10 years+
Cycle Life	>6000
Warranty	10 years
Compatible Inverters	SMA/Victron/Megarevo/Delios/Goodwe/Solis/Deye/SAJ/Voltronic/SRNE etc.