

# LVER (2-6) 51.2/200~600

Thanksun Home Energy Storage

Models: LVER 2 - 51.2/200  
LVER 3 - 51.2/300  
LVER 4 - 51.2/400  
LVER 5 - 51.2/500  
LVER 6 - 51.2/600



Built in heat dissipation system,  
balanced temperature.



Compatible with multiple inverters.



Excellent safety performance.



Long cycle life.



LED screen displays  
battery parameters.



Intelligent battery  
management system.



Supports multiple  
communication protocols.

LVES (2-6) 51.2/200~600

Model	LVE 2	LVE 3	LVE 4	LVE 5	LVE 6
Battery technology	Lithium iron phosphate (LiFePO <sub>4</sub> )				
Module specifications	5.12KWh   51.2V   55Kg±2Kg				
Capacity in ampere-hours (Ah)	100~600				
Nominal capacity (Ah)	200	300	400	500	600
Nominal power (KWh)	10.24	15.36	20.48	25.6	30.72
Nominal voltage (V)	51.2				
Operating voltage (V)	44.8~58.4				
Nominal discharge current (A)	100				
Maximum discharge current (A)	100				
Nominal charge current (A)	100				
Maximum charge current (A)	100				
Protection/Safety	Overcharge protection/Undervoltage protection/Overcurrent protection/reverse polarity protection				
Cycle life	10000 cycles (25°C±2°C, 0.5C/0.5C)				
Charge temperature (°C)	0~55				
Discharge temperature (°C)	-15~60				
Storage temperature (°C)	-20~60				
Efficiency (%)	≥96				
Product dimensions (mm) L±20 / W±3 / H±20	776/285/836	776/285/1095	776/285/1354	776/285/1614	776/285/1874
Product weight (KG)	130±2	185±2	240±2	295±2	350±2
Warranty period (years)	12 (25°C±2°C,0.5C/0.5C)				
Ambient humidity range (%)	5~85 (No condensation)				
Cooling method	Natural air cooling				
Installation method	Level				
Case IP rating	IP54				
Certification	IEC62619 / CE-EMC / UN38.3 / RoHS				
Transport classification	UN3480,CLASS 9				
Shell material	Sheet metal				
Built-in BMS	Yes				
LCD	7 inches				
Battery self-heating function	Yes				

**BMS Specifications:**

Overall overvoltage protection (V)	58.4
Overall excessive discharge protection (V)	44.8
Maximum charge current (A)	100
Maximum discharge current (A)	100
Ambient temperature protection (°C)	70
MOS high-temperature protection (°C)	115
Balancing activation voltage (V)	Adjustable voltage (for each cell) to 3.4 V
Balancing current (mA)	55
NTC collection accuracy (Measurement range: -40 to 100°C)	±2°C
Voltage accuracy (for cells and modules)	±5mV
BMS encoding method	Automatic
BMS communication method	CAN / RS485 / RS232