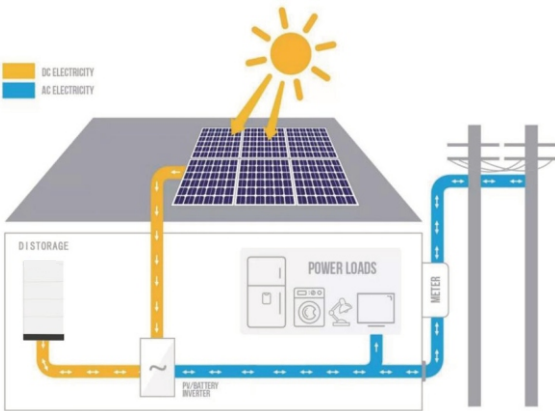


The CAML 100 51 ST-HV is a high voltage battery system designed by Loom Solar with a flexible modular design. It is capable of stacking 3 to 6 battery modules with available capacities from 15.36kWh to 30.72 kWh and voltages from 153.6V to 307.2V. It is the ideal energy storage solution for on-grid or off-grid solar installations. With the High-Voltage residential and commercial battery bank, you can use more clean energy in a more efficient way.

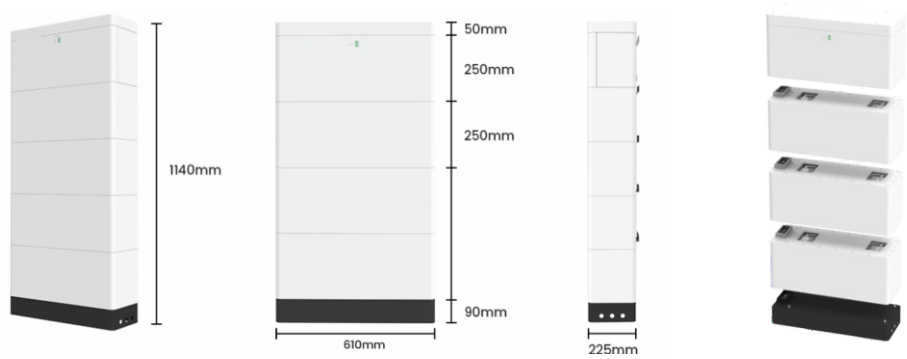
**Loom Solar Pvt Ltd**

## FEATURES

- High-voltage LiFePO4 battery solution, Single module is 51.2V/100Ah/5.12kWh.
- 3 to 6 layers recommended.
- Cobalt Free Lithium Iron Phosphate (LFP) Battery: Maximum Safety, Life Cycle and Power.
- Applicable on grid or hybrid on and off-Grid solar energy storage system.
- Self-Consumption Optimization for Residential and Commercial Applications.
- Modular Design Simplifies Transport and Installation.



# Dimensions



Technical Specification		CAML 100 51 ST-HV
Model	CAML 100 51 ST-HV	
Number of layers	5 layers	
Performance Efficiency	95%	
Energy	25.6 kWh	
Operating Voltage Range	224 V~280.8 V	
Dimension (L*W*H) mm	610*225*1640	
Weight ( kg )	276	
Recommend charge current	50 A	
Max continue charge current	100 A	
Max continue discharge current	100 A	
Display	The information of Battery, such as SOC, battery voltage and so on	
Communication	Support RS-485 / CAN	
Maximum parallel support	4 clusters(3 to 6 units per cluster)	
Charging temperature	0℃~55℃	
Discharge temperature	-20 ℃~60℃	
Environment	Indoor/outdoor under roof (avoid direct sunlight)	
Relative humidity	5%~95%	
Cooling	Natural convection	
Cell technology	Lithium-iron phosphate (LiFePO4)	
Protection Rating	IP65	
Life cycle	6000 times @ 80% DOD	
Certificates	IEC62619 ,CE,UL1973, UL9540A, EN62040, IEC62040; UN38.3	

Single module Technical Specification	
Module	51.2 V 100 Ah, 5.12 kWh
Dimension (L*W*H) mm	High Voltage Box:610*225*250 Battery Box:610*225*250
Weight ( kg )	High Voltage Box:16 Battery Box:48.5
Nominal Voltage	51.2 V
Nominal Capacity	100 Ah
Nominal Energy	5.12 kWh