



# RESIDENTIAL ESS

## ENP51200-LV Series



-  High energy density and efficiency
-  Excellent safety of LiFePo4 battery cells
-  Up to 10 Years of Service Life > 6000 Cycles
-  Compatible with Market Leading Single Phase & three phase inverters
-  Flexible capacity options, 10kWh ~ 320kWh
-  Compact size and easy installation
-  Automatically assign any host
-  Auto balance modules with different SOC

## How to save utility bill from Residential First Tech ESS?

### 01. Self-Consumption Optimization

High energy demand in the morning and evening but solar generation is most efficient during the mid-day. 1STESS Battery storage systems balance the feeding and demands. Realize your grid independence.

### 02. Benefits from Peak Shaving

#### House: Load Shifting

Store the power during low peak and use the energy at peak-time. Save the money which happens arising from peak rate.

#### Transmission & Distribution: Peak shaving

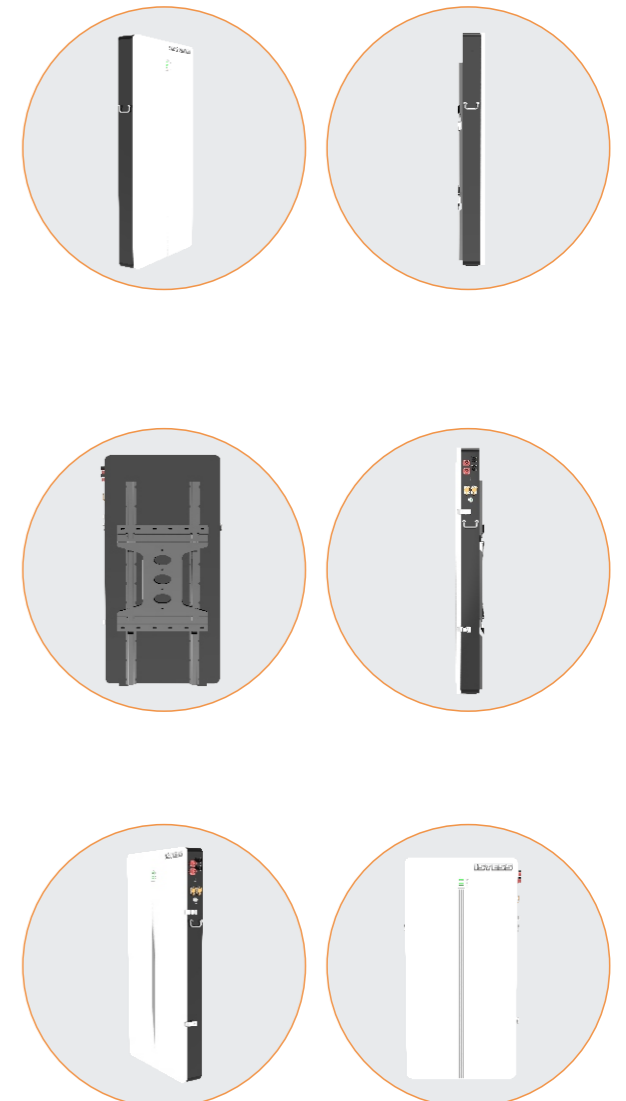
Save on the electricity bills by reducing peak demand,

## Datasheet

Battery Data	
Model No	ENP51200
Normal Voltage	51.2V
Normal Capacity	10.2kWh
Useable Capacity	9.8KWh
Operating Voltage	43.2V~57.6V
Recommended Power Charge/ Discharge current	100A (0.5C)
Max. Power Charge/ Discharge current	150A max (0.75C)
Peak Output current <sup>[1]</sup>	200A (3S)
Rated Discharging Power	7.5kW
Max discharging Power	10KW (@SOC 20%)
Round-trip Efficiency	≥96%
Battery Cell Technology	Lithium Iron Phosphate (cobalt-free)
General Data	
Dimension (W/D/H)	600x110x1200 mm
Weight	82Kg
IP Protection	IP65
Environment	Outdoor
Working Temperature Discharge	-20°C ~ +55°C
Working Temperature Charge	0°C ~ +55°C
Storage Temperature	-20°C ~ +50°C
Installation	Wall mount , Floor Stand
Features	
Cycle Life <sup>[2]</sup>	> 6000 Cycles
Scalability	Max 32Packs (6+N Communication)
Communication ports	CAN / Rs485
Warranty	5~10 Years (optional)
IEC62619, CE, UN38.3, UL1973, IEC61000	

## Fast and Easy placement, save time and place.

MULTIPLE PLACEMENTS



[1] Charge derating will occur between -10 °C and +45 °C;

[2] Test conditions: 0.2C Charging/Discharging, @25°C, 80% DOD