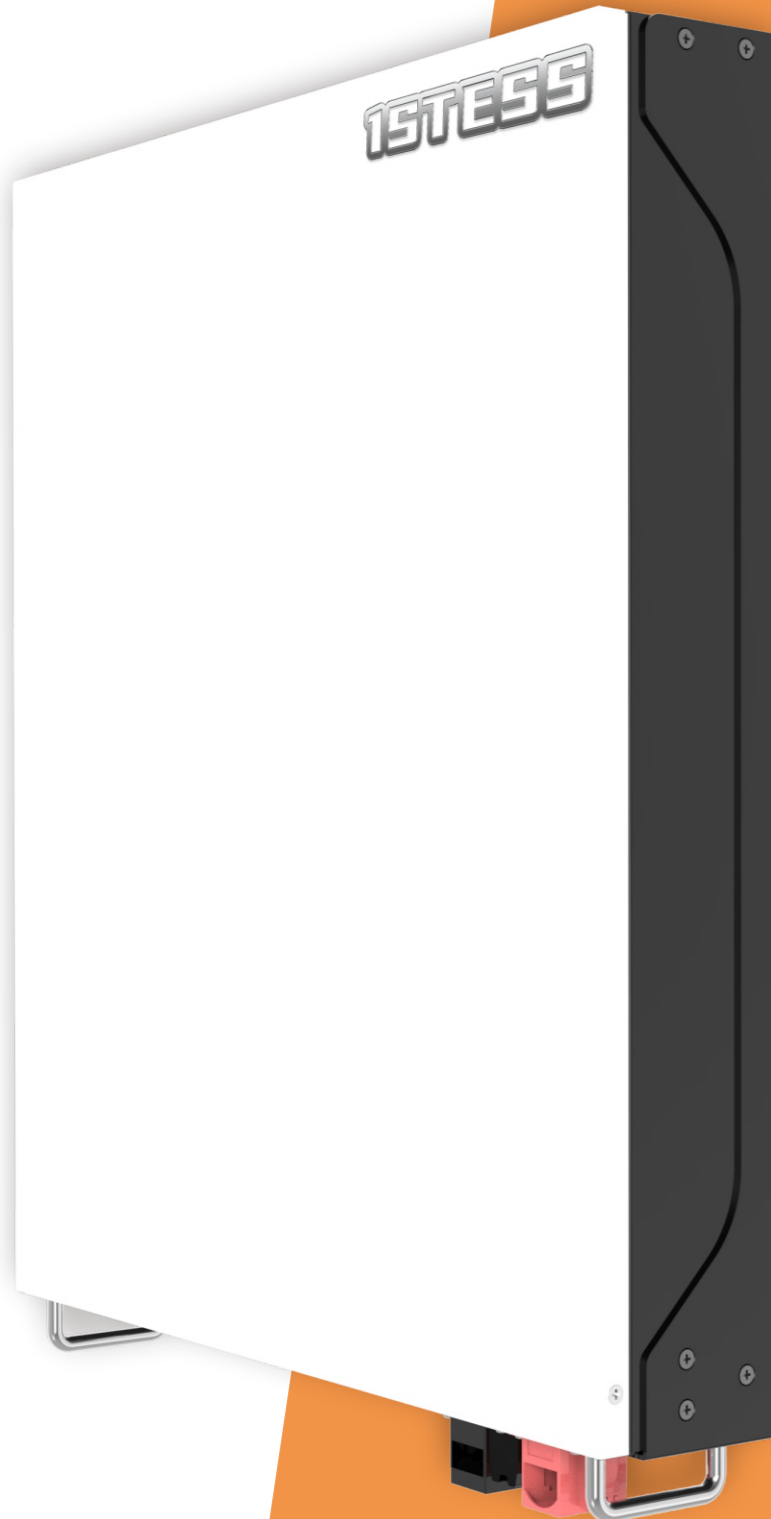




RESIDENTIAL ESS

ENP25100/ENP51100 – 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, 2.5kWh ~ 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?

Products Features

The First Tech residential energy storage system (RESS) slim type LV series battery packs can work with a solar energy storage systems and optimize system performance, absorb excessive PV electricity and supply power for residence whenever needed. This product can be wall mounted or floor mounted and allows for parallel connection.

Application Scenarios

- ⊙ Residential Applications
- ⊙ Small Commercial or industrial application
- ⊙ Micro off-grid systems

Fast and Easy placement, save time and place.

MULTIPLE PLACEMENTS



Wall-mount



Cabinet



Vertical mount



Rackmount

Datasheet

Battery Data		
Model No	ENP25100	ENP51100
Normal Voltage	25.6V	51.2V
Normal Capacity	2.56kWh	5.12kWh
Useable Capacity	2.5KWh	5KWh
Operating Voltage	21.2V~28.4V	43.2V~57.6V
Recommended Power Charge/ Discharge current	50A (0.5C)	50A (0.5C)
Max. Power Charge/ Discharge current	100A max (1C)	100A max (1C)
Peak Output current ^[1]	110A (3S)	110A (3S)
Rated Discharging Power	2.6kW	5kW
Max discharging Power	3KW (@SOC20%)	5.5KW (@SOC 20%)
Round-trip Efficiency	≥96%	≥97%
Battery Cell Technology	Lithium Iron Phosphate (cobalt-free)	
General Data		
Dimension (W/D/H)	450x380x89 mm	450x560x89 mm
Weight	20Kg	42Kg
IP Protection	IP21	IP21
Environment	Indoor	Indoor
Working Temperature Discharge	-20°C ~ +55°C	
Working Temperature Charge	0°C ~ +55°C	
Storage Temperature	-20°C ~ +50°C	
Installation	Wall mount , Rack, Floor Stand	
Features		
Cycle Life ^[2]	> 6000 Cycles	
Scalability	Max 16Packs (6+N Communication)	Max 64Packs (6+N Communication)
Communication ports	CAN / Rs485	
Warranty	5~10 Years (optional)	

IEC62619, CE, UN38.3, UL1973, IEC61000

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

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