

# RESIDENTIAL ESS

**ENP4020 – HV Series** 





Up to 10 Years of Service Life > 6000 Cycles



Compact modular design



Deliver up 10kWh with a single module



Simple Buckle fixing, save time and cost



Multiple Safety and fault protection setting to fit transpiration mode



Sleep mode and Permanent failure mode



Intelligent battery management system inside



Excellent safety of LiFePo4 battery cells

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

#### **Products Features**

The First Tech residential energy storage system (RESS) ENP4020 HV 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

## Datasheet

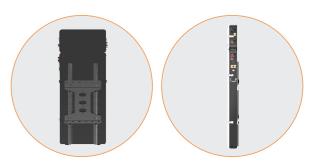
Battery Data	
Model No	ENP4020
Normal Voltage	400V
Normal Capacity	10.2KWh
Useable Capacity	9.8KWh
Operating Voltage	350V-430V
Recommended Power	65A (0.33C)
Charge/ Dischaege current	05A (0.33C)
Max. Power Charge/ Dischaege current	130A (0.65C)
Peak Output current <sup>[1]</sup>	140A (3S)
Rated Discharging Power	5KW
Max discharging Power	7KW(@SOC 30%)
Round-trip Efficiency	≥95%
Battery Cell Technology	Lithium Iron Phosphate (cobalt-free)
General Data	
Dimension (W/D/H)	1470x110x600mm
Weight	90Kg
IP Protection	IP65
Environment	Outdoor
Working Temprature Discharge	-20°C ~ +55°C
Working Temprature Charge	0°C ~ +55°C
Storage Temprature	-20°C ~ +50°C
Installation	Wall mount ,Floor Stand
Features	
Cycle Life <sup>[2]</sup>	> 6000 Cycles
Scalability	Max 3 Packs
Communication ports	CAN / Rs485
Warranty	5~10 Years (optional)
IEC62619, CE, UN38.3, UL1973, IEC61000	

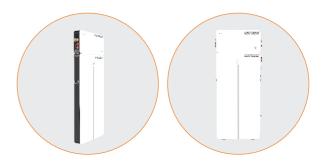
#### [1] Charge derating will occur between -10 °C and +45 °C;

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

MULTIPLE PLACEMENTS











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