



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 Charge/ Discharge current	65A (0.33C)
Max. Power Charge/ Discharge current	130A (0.65C)
Peak Output current ^[1]	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 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 ^[2]	> 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;

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

Fast and Easy placement, save time and place.

MULTIPLE PLACEMENTS

