

## ENERpro-LFP48314

Battery Energy Storage

Residential|Self-Heating|51.2V 314Ah 16kWh



The state-of-the-art LiFePo4 battery offers a reliable and efficient energy storage solution. Whether you're powering a home or a commercial building, Egbatt system provides unmatched flexibility & performance.

### Product Highlights:

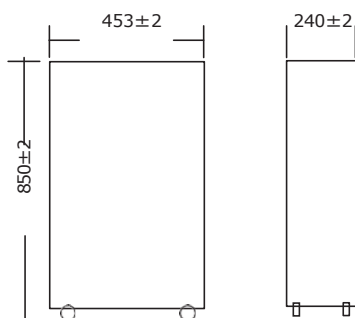
**Capacity:** 16 kWh

**Battery Type:** Grade A brand new Lithium Iron Phosphate battery

**Mobility:** Easy to move with Fuma wheels

**Application:** Perfect for both residential and commercial use

**Expandable:** Scale your energy storage from 16kWh to an impressive 200kWh



#### ELECTRICAL SPECIFICATIONS

Nominal voltage	51.2V
Nominal capacity	314Ah
Nominal energy	16kWh
Operating voltage range	44.8V~56.0V
Charge voltage	56.8V
Float voltage	54.6V
Recommended charge current	100A
Max. charge current	200A
Recommended discharge current	150A
Max. discharge current	200A
Communication	RS485/CAN
Peak discharge current	240A/15S 360A/1S
IP rating	IP54
Cycle life @ 80% DOD	≥9500cycles
Design life	15Years
Operation temperature	Min:-20°C(-4°F)Max:50°C(122°F)
Storage temperature	Min:-20°C(-4°F)Max:45°C(113°F)

#### MECHANICAL SPECIFICATIONS

Dimensions (H×W×D)	850(with wheels)*453*240mm34.4(with wheels)*17.7*9.5inch
Weight	135kgs
Cell(s)	16S1P
Electrolyte	LiFePO4
Certification	CE/IEC62619/UN38.3 UL1973/UL9540 pending
Warranty	10Years



### Long term Service Life

EGbatt LFP48314 rated more than 9500 cycles, 10 years factory warranty. 15 years service life, providing long-term energy for your home



### FUMAWHEELS AND WALL MOUNTED FIXATION

Four concealed heavy-duty Fuma wheels facilitate movement of the battery without detracting from the elegant design. An anti-tipping mount on the back anchors the battery to the wall.



### BATTERY MAINTENANCE AND INSPECTION PORT

LFP4300 Equipped Touch screen, Can easy select communication protocols by built in RS485/ CAN bus ports, the most important, which can monitor the equipment information at any time on the mobile phone or PC



### ALL POLE PROTECTION

Built-in Robust 200A BMS. All-pole, dual protection through fuse (negative terminal) and micro circuit breaker (positive terminal).



### INTELLIGENT BALANCING

A double equilibrium approach enhances cell balancing efficiency by calculating capacity differences between battery cells using charging-process data and extending the balancing time. This method significantly improves efficiency and reliability compared to standard passive and active balancing modes.



ON-GRID



ON-GRID EPS



VIRTUAL POWER PLANT (VPP)



TIME OF USE MANAGEMENT



MICRO-GRIDS



DIESEL OFF-SET



PEAK SHAVING



ENERGY SHIFTING

