



VENUS-S-L

Scope:

The battery system is composed of 16 series lithium iron phosphate prismatic aluminum shell batteries in series. It is designed to meet the requirements of environmental adaptability, reliability, maintainability, test ability, and support ability. It is suitable for energy storage or power requirements.

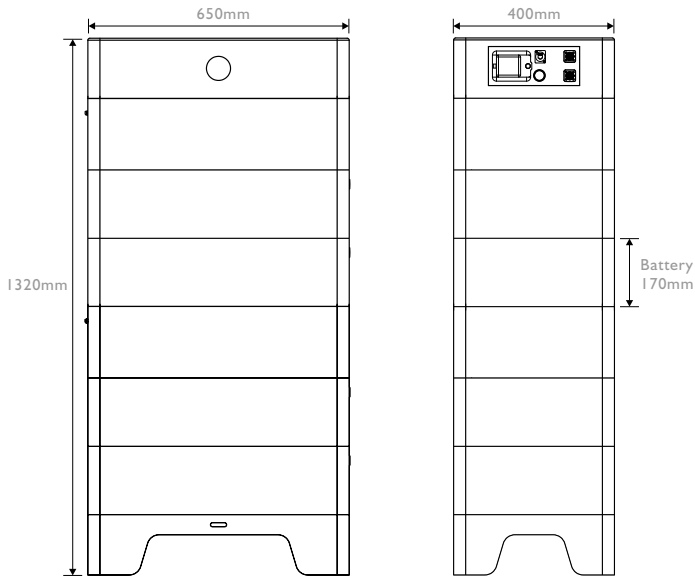
KEY FEATURES

- Long cycle life: EV level LFP cell, cycle life over 6000 times
- Highest level safety: Multiple safety protection measures
- Easy installation: Internal plug installation, saving wire connection

BATTERY & SYSTEM SPECIFICATIONS

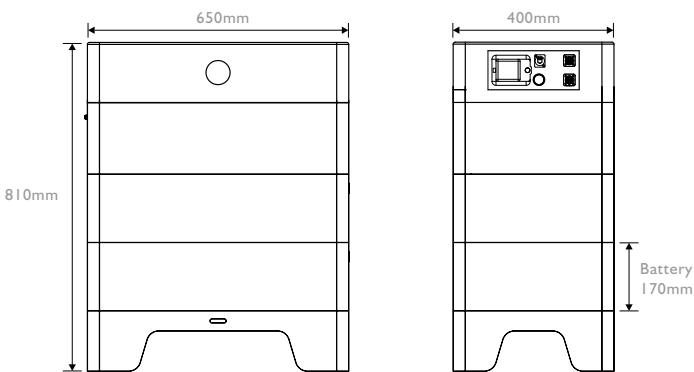
Battery chemistry	Lithium Iron Phosphate Battery (LiFePO4)
Battery module	5.12kWh(51.2V 100Ah)
Number of modules	3 / 4 / 5 / 6
System capacity	15.36kWh / 20.48kWh / 25.6kWh / 30.72kWh
Output current	100A
Nominal voltage	48V -51.2V
Operating voltage	40V-60V
System sizes(W*D*H)	650*400*810mm / 650*400*980mm / 650*400*1150mm / 650*400*1320mm
System weight	172kg/219kg/266kg/313kg
Communication interface	RS485 / CAN
Environment	Indoor
IP protection	IP54
Charge temperature	0°C~45°C
Operating temperature	-15°C~55°C
Storage temperature	-25°C~60°C
Operating altitude	0 - 5,000m (Derating above 2,000m)
Cooling	Natural convection
Designed life	> 10 years
Cycle Life	6000 times
Certification	CE / UN38.3
Warranty	10 years

VENUS-S-30



PRODUCT DIAGRAM

VENUS-S-15



WORKING PRINCIPLE DIAGRAM

