



WIDONPOWER



VENUS-BAT

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, testability, and supportability. It is suitable for energy storage or power requirements.

KEY FEATURES

- Compatible with most brands of inverter
- Plug & play
- Multiple safety assurance measures
- Support parallel connection

VENUS-BAT

PHYSICAL

Battery type	Lithium Iron Phosphate Battery (LiFePO4)
System weight	50kg / 91kg
Dimension (W*D*H)	360*160*582mm / 495*200*800mm
IP protection	IP54
Warranty	10 years

ELECTRICAL

Energy capacity	5.12kWh / 10.24kWh
Depth of discharge (DoD)	100%
Nominal voltage	51.2V
Nominal capacity	100Ah / 200Ah
Operatting voltage range	43.2~57.6V
Internal resistance	≤ 20 mΩ
Cycle life	6000 times

OPERATION

Max. Charging current	50A / 100A
Max. Discharging current	100A / 100A
Operating temperature	-15°C~55°C
Relative humidity	15% ~ 85%

OPERATION

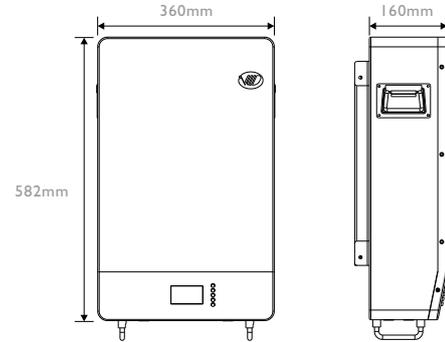
Scalability	max. 16 units in parallel
Monitoring parameters	voltage, current, cell voltage, cell temperature, PCBA temperature, SOC
Communication	CAN and RS-485 compatible (optional)

OPERATION

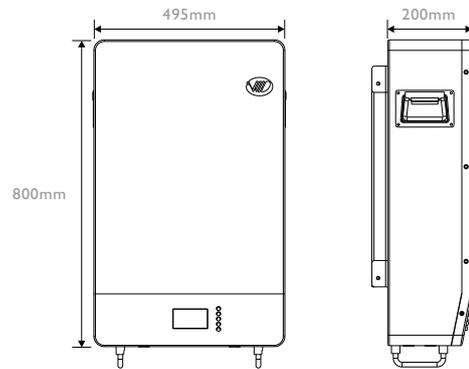
Transportation	UN38.3
Safety	CE
Environment	RoHS

PRODUCT DIAGRAM

VENUS-BAT-5



VENUS-BAT-10



WORKING PRINCIPLE DIAGRAM

