

Smart Residential ESS Solution

V-Power Series



14.336kWh



A variety of color options



Highly adaptable battery system developed by Vestwoods

Features and Advantages



Intelligent BMS, multiple real-time protections, timely failure warnings, and user friendly



Stronger overcurrent ability and larger capacity to meet daily needs



Provides remote monitoring APP and intelligent management of the cloud platform⁽¹⁾



Excellent performance standards, 6000 cycles lifespan



Offers wall-mounted and floor installation, easy installation to save time and cost



Fashionable appearance design with a variety of color options

⁽¹⁾Cloud platform functions are customized development functions, which can be selected according to requirements.



SPECIFICATION

Model	VE51280W
Chemistry	LiFePO ₄
Nominal Battery Energy (kWh)	14.336
Nominal Capacity (Ah)	280
Nominal Voltage (Vdc)	51.2
Working Voltage (Vdc)	46.4-57.6
Rated Charge Voltage/@25°C (Vdc)	58.4
Charge Current/Max. Continuous (A)	200
Discharge Cut-off Voltage/@25°C (Vdc)	46.4
Discharge Current/Max. Continuous (A)	200
Depth of Discharge (%)	80
Ambient Temperature/Charge (°C)	0~55
Ambient Temperature/Discharge (°C)	-20~60
Dimension/W*H*D (mm)	505 * 801.5 * 251
Net Weight (kg)	121.0
IP Rating	IP65
Expansion	Up to 8 units in parallel
Color	Red/Silver/Blue/White
Communication	CAN/RS-485
Cooling Mode	Natural
Cycle Life	≥6000, 80%DOD@25°C
Design Life	15+ Years (25°C/°F)
Installation Method	Standed
Humidity	5% ~ 95%(RH) No Condensation
Altitude(m)	<2000
Alarms	Overcharge/Overdischarge/Overtemperature/ Overcurrent/Short Circuit etc.
Compatible Inverters	Deye/Goodwe/Growatt/Senergy/Invvt/Megarevo etc.
Certification & Safety Standard	UN38.3/ IEC62619/EN61000

Disclaimer:

This document may contain forecast information, including but not limited to future finances, operations, product series, new technologies, etc. Due to practice the uncertainty in the actual results may differ from the predicted information. Therefore, the information in this document is for reference only and does not constitute any offer or promise. Vestwoods may modify the above information without notice.

