

# Smart Residential ESS Solution

V-Power Series



5.12kWh

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<sup>(1)</sup>



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

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

# SPECIFICATION

Model	VE51100W
Chemistry	LiFePO <sub>4</sub>
Nominal Battery Energy (kWh)	5.12
Nominal Capacity (Ah)	100
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)	100
Discharge Cut-off Voltage/@25°C (Vdc)	46.4
Discharge Current/Max. Continuous (A)	100
Depth of Discharge (%)	80
Ambient Temperature/Charge (°C)	0~55
Ambient Temperature/Discharge (°C)	-20~60
Dimension/W*H*D (mm)	410 * 666.2 * 179.5
Net Weight (kg)	49.0
IP Rating	IP65
Expansion	Up to 16 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/Wall-mounted
Humidity	5% ~ 95%(RH) No Condensation
Altitude(m)	<2000
Alarms	Overcharge/Overdischarge/Overtemperature/ Overcurrent/Short Circuit etc.
Compatible Inverters	Deye/Goodwe/Growatt/Senergy/Invnt/Megarevo etc.
Certification & Safety Standard	UN38.3/ IEC62619/EN61000

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