

# Smart Residential ESS Solution

Max 14.3kWh Battery



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, 10-year warranty<sup>(2)</sup> available



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.  
<sup>(2)</sup>The 10-year warranty includes 5 years free warranty under standard condition and 5 years paid warranty.

# SPECIFICATION

Model	VE51100W	VE51280W
Battery Type	LiFePO <sub>4</sub>	
Nominal Battery Energy (kWh)	5.12	14.33
Nominal Capacity (Ah)	100	280
Nominal Voltage (Vdc)	51.2	
Working Voltage (Vdc)	44.8-57.6	
Rated Charge Voltage/@25°C (Vdc)	57.6	
Charge Current/Max. Continuous (A)	100	200
Discharge Cut-off Voltage/@25°C (Vdc)	43.2	
Discharge Current/Max. Continuous (A)	100	200
Depth of Discharge (%)	90	
Working Temperature/Charge (°C)	0~55	
Working Temperature/Discharge (°C)	-20~60	
Dimension/W*H*D (mm)	410 * 666 * 179.5	500 * 800 * 250
Net Weight (kg)	54.0	128.5
Protection Level	IP65	
Expansion	Up to 4 units in parallel	
Color	White/Silver/Red/Blue	
Communication	CAN/RS-485	
Cooling Mode	Natural	
Calendar Life	> 6000, 80%DOD@25°C	
Design Life	15+ Years (25°C/°F)	
Installation Method	Wall-mounted/Floor-Mounted	
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 undergoing	

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