



Smart Residential ESS Solution

V-Power-Series



Stacked energy storage battery system developed by Vestwoods

Features and Advantages



Flexible Adaptation
2.76kWh Modular design
8-55kWh Flexible Expansion



Safe and Reliable
Lithium Iron phosphate (LFP) battery



Easy Installation
24kg HV box
29kg Battery Module
Stacked mounting



Fast Startup
Software auto-assign
addresses BMS three-level
intelligent management



Optimal Performance
Adaptable to
single-phase and
three-phase inverters



HV Box



Battery Module

SPECIFICATION



Model

V-Power T3

V-Power T4

V-Power T5

Chemistry	LiFePO4		
Nominal Battery Energy (kWh)	8.29	11.05	13.82
Number of Modules	3	4	5
Nominal Capacity (Ah)	27		
Rated Power (kW)	6~12 ⁽¹⁾		
Nominal Voltage (Vdc)	307.2	409.6	512.0
Working Voltage (Vdc)	268.8~345.6	358.4~460.8	448.0~576.0
Charge/Discharge Current/Standard (A)	27		
Discharge Current/Max. Continuous (A)	54		
Depth of Discharge (%)	95		
Ambient Temperature/Charge (°C)	0~50		
Ambient Temperature/Discharge (°C)	-20~55		
Dimension/W*H*D (mm)	530 * 774 * 255	530 * 942 * 255	530 * 1110 * 255
Net Weight (kg)	106	135	163
IP Rating	IP20		
Expansion	Up to 4 units in parallel		
Communication	CAN,RS-485,DI/DO		
Display Mode	Indicator		
Cooling Mode	Natural		
Cycle Life	>6000, 80%DOD@25°C		
Design Life	15+ Years (25°C/°F)		
Installation Method	Floor stacking		
Humidity	5% ~ 95%(RH) No condensation		
Altitude(m)	<2000		
Alarms	Overcharge/Overdischarge/Overtemperature/ Overcurrent/Low insulation etc.		
Compatible Inverters	Senergy/Invnt/Megarevo etc.		
Certification & Safety Standard	Design base on UN38.3 / IEC62619 / EN61000 standard		

* (1) Actual power based on selected inverter.

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