

Balcony PV Energy Storage System



- ✓ 314Ah Large Cell Integrated Solution
- ✓ Ingress Protection Rating IP65
- ✓ Built-in Inverter, Plug and Play
- ✓ Multiple MPPT Tracks
- ✓ Applicable for Outdoor Portable, Balcony PV, Residential Home Energy Storage

Scenarios

- ✓ Standardized Design, Easy Integration and Easy Operation & Maintenance

Product Appearance		
Basic Product Parameters		
Product Name	V-Hub Plus3600 PV	V-Hub Plus4000 PV
Product Model	VN-CE0007N-L1P-PV	VN-CE0008N-L1P-PV
Rated Energy	7kWh	8kWh
Rated Power	3600W	4000W
Cell Chemistry	LFP	
Dimensions	596*300*894mm	596*300*894mm
Net Weight	50kg	55kg
Operating Temperature	-10-55°C	
Communication Protocol	RS485/CAN	
Grid-tie / Off-grid Characteristics		
Rated Voltage	230V	230V
Rated Frequency	50Hz	50Hz
Grid-tie Output Powe	0-3600W Adjustable	0-4000W Adjustable
Off-grid Output Power	3600W	4000W
Off-grid Micro-inverter Input Power	800W	800W
Grid-tie / Off-grid Switchover Time	10ms (Utility / Battery Switchover)	
Overload Protectio	Supported	
3-Phase Configuration Capability	Supported	
PV Input Characteristics		
Charging Power	900W*4	1000W*4
Maximum Operating Current	36A(Single Channel)	36A(Single Channel)
Operating Voltage Range	12-60V	12-60V
Number of MPPT Tracks	4Tracks	4Tracks
System and Safety Parameters		
Ingress Protection Rating	IP65	
Operation Modes	Grid-tie / Off-grid / Self-consumption / Emergency Backup Power	
Cycle Life	≥6000次@80%DOD	
Certifications and Application Scenarios		
Qualification Certifications	CE / UKCA / VDE / EN / IEC / EU Grid-tie Certification, EMC Class B	
Applicable Scenarios	Balcony PV Energy Storage, Small-scale Residential Energy Storage, Emergency Backup Power Scenarios	
Value-added Services	Capacity Customization, Interface Adaptation, Protocol Development, OTA, System Solution Support	

Specifications and models are subject to change without prior notice.

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