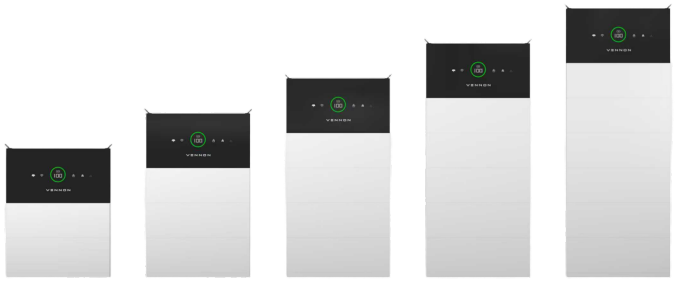
V-Hub-H Pro-Series Residential High-voltage Stackable Lithium-ion AC Energy Storage System

25kW PCS



✅ Modular+ Design, Flexible Configuration

✅ Support Mixing of New and Old Battery Modules, Each Module Discharges Independently at Optimal Status, 10% Higher Charge-discharge Capacity

✅ Built-in DC-DC Boost Module, Adopt High-voltage Parallel Structure

✅ 5-in-1 Inverter, Highly Integrated with PCS, PV Grid-tie Inverter, Generator Access, Gateway and EMS

Basic Product Parameters					
Product Name	FuHub-H16 Pro	FuHub-H24 Pro	FuHub-H32 Pro	FuHub-H40 Pro	FuHub-H48 Pro
Product Model	VN-CE0016A-L3P-PV	VN-CE0024A-L3P-PV	VN-CE0032A-L3P-PV	VN-CE0040A-L3P-PV	VN-CE0048A-L3P-PV
Rated Energy	16kWh	24kWh	32kWh	40kWh	48kWh
Rated Power	25kW				
Cell Chemistry	LFP				
Dimensions(W*D)	740*298mm				
Dimensions(H)	965mm	1215mm	1465mm	1715mm	1965mm
Operating Ambient Temperature	-10-55℃				
Communication Method	RS485/CAN				
PV Input Characteristics					
Charging Power	40000W				
PV Operating Voltage Range	150-950V				
PV Maximum Input Voltage	1000V				
PV Startup Input Voltage	180V				
Maximum Operating Current	16A				
Number of MPPT Tracks	4				
Current per MPPT Track	1				
PV Short-circuit Current	20A				
AC Input					
Grid Side			Generator Side		
Max Input Apparent Power	30000VA		Max Input Apparent Power	30000VA	
Max Input Current	43.3A@400V，45.6A@380V		Max Input Current	43.3A@400V，45.6A@380V	
Rated Input Voltage	3/N/PE,220V/380V,230V/400V,240V/415V		Rated Input Voltage	3/N/PE,220V/380V,230V/400V,240V/415V	
Rated Frequency	50/60Hz		Rated Frequency	50/60Hz	
THDi	THDi＜3%		THDi	THDi＜3%	
AC Output					
Grid Side			Off-grid Side - Battery Inverter Mode		
Rated Output Power	25000VA		Rated Output Power	25000VA	
Max Input Apparent Power	27500VA		Rated Grid Output Current	38.0A	
Rated Grid Output Current	38.0A		Rated Output Voltage	3/N/PE,220V/380V,230V/400V,240V/415V	
Max Output Current	41.8A		Rated Frequency	50/60Hz	
Rated Frequency	50/60Hz		THDi	THDi＜2%	
Power Factor	0.8 leading~0.8 lagging				
THDi	THDi＜3%				
System and Safety					
Anti-islanding Protection, AC Output Overcurrent Protection, AC Short-circuit Protection, DC Arc Fault Protection, PV Overvoltage Protection, Lightning Protection					
Ingress Protection Rating	IP65				
Noise Level	＜35dB				
Altitude	＜4000m				
Operation Mode	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	Residential Energy Storage, Emergency Backup Power Scenarios, Small C&I Scenarios				
Value-added Services	Capacity Customization, Interface Adaptation, Protocol Development, OTA, System Solution Support				

Vennon Energy Storage Technology Co., LT

Website：www.vennon.com
Address：No. 550 Golfing Road, Yinhu Street, Fuyang District, Hangzhou 310016, China
Email：info@vennon.com

Specifications and models are subject to change without prior notice.