

Outdoor Air Cooling Battery Cabinet



DHN-HVCES Series

DAHSolar Outdoor DC Battery Cabinet. It is air-cooling design and is equipped with a 3rd party hybrid inverter to achieve AC output. It is suitable for small-sized industrial and commercial scenarios.



Safe & Reliable

LiFePO4 Cells | Integrated Fire Protection | IP55 | Wide Temp Range (-20°C–55°C)



Industrial Cabinet

Outdoor Rugged Design | Intelligent Climate Control | Corrosion Resistant | Easy to Install



Flexible & Scalable

Modular | Scalable Capacity | Ready for Growth | Third-Party Inverter Compatible



Smart & Durable

SOC Self-Calibration ($\pm 1\%$) | OTA Upgrades | High Cycle Life | Low Self-Discharge

Model

DHN-HVC05×12-G1

DHN-HVC15×7-G1

DHN-HVC16×7-G1

DHN-HVC15×15-G1

DHN-HVC16×15-G1

Battery System

Battery Model	DHN-HVRES05-G1	DHN-HVRES15-G1	DHN-HVRES16-G1	DHN-HVRES15-G1	DHN-HVRES16-G1
Battery Type	LiFePO4				
Battery Capacity(Ah)	102	280	314	280	314
Charge/Discharge Current(A)-Recommend	50	140	157	140	157
Charge/Discharge Current(A)-Max	100	160	180	160	180
Rated Voltage(V)	614.4	358.4		768	
Operating Voltage(V)	518.4~700.8	302.4~403.2	280~408.8	648~864	600~876
Nominal Energy (kWh)	62	100	112	215	241

Basic Parameters

Weight (kg)	1400	1600	2600
Dimension(W/H/D,mm)	1160×2230×1060	665×2360×1170	1255×2360×1200
IP Rating of Enclosure	IP55		
Anti-corrosion Grade	C3		
Cooling Method	Air-cooling		
Fire protection	Aerosol fire protection		
Operating Temperature(℃)	Charge:0~+50/Discharge:-20~+55		
Storage Temperature(℃)	0~+35		
Recommend Depth of Discharge(%)	≤90		
Cycle Life(25±2℃,0.5C/0.5C,70%EOL)	≥6000	≥8000	
Communication Methods	CAN2.0/RS485		
Warranty Period(years)	5		
Certification	IEC61000-CE,IEC62619-CB,UN38.3		