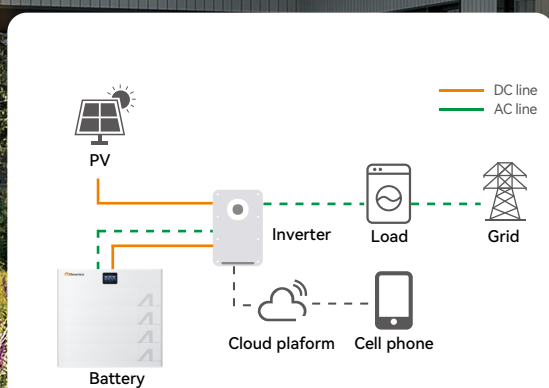


HV Stackable Energy Storage Battery Residential BESS Datasheet

BS06-S



Features



Higher Density, Fewer Packs

53.6% higher energy density



Intelligent Design

Bluetooth/WiFi enabled with APP monitoring and OTA remote upgrade capabilities



Tip-resistant Fixation Point Design

Inter-module locking pins/fasteners with rear wall-mounted anchor points



Snap-Fit Installation with Freeform Stacking

Consolidated from dual-stack to single-stack design, with scalable 6-stack capacity for complex scenarios



High Safety Performance

Integrated grounding points with enhanced protective safety



Smart & High-Efficiency

Smart & high-efficiency system with self-learning SOC/SOH capability and autonomous fault diagnostics

PERFORMANCE SPECIFICATIONS

Model	BS06-15-S/2S	BS06-23-S/3S	BS06-30-S/4S	BS06-38-S/5S	BS06-46-S/6S
Battery Type	LiFePO ₄				
Nominal Voltage	153.6V	230.4V	307.2V	384V	460.8V
Configuration	3.2V100Ah/24S1P				
Capacity(Ah)	100Ah				
Nominal Energy(kWh)	15.36kWh	23.04kWh	30.72kWh	38.40kWh	46.08kWh
Usable Energy(kWh@90%DOD) ^[1]	13.82kWh	20.73kWh	27.64kWh	34.56kWh	41.47kWh
Max.Charge/Discharge Current(A) ^[2]	50A				
Voltage Range(V)	134.4~172.8V	201.6~259.2V	268.8~345.6V	336~432V	403.2~518.4V
Scalability	Up to 5 units in parallel				
Communication Interface	CAN;RS485				
Cycle Life ^[3]	≥6000Cycles (25°C,0.5C/0.5C,90%DOD,70%EOL)				
Warranty Period ^[4]	5+5years				
Cumulative Discharge Energy	24.6MWh	37.0MWh	49.3MWh	61.6MWh	74.0MWh

MECHANICAL SPECIFICATIONS

Weight(kg)	184kg	259kg	334kg	409kg	484kg
Dimension (W*D*H)	870*450*530mm	870*450*690mm	870*450*850mm	870*450*1010mm	870*450*1170mm
Installation Method	Stackable				
IP Rating	IP65				
Anti-corrosion Grade	C4				

SECURITY AND CERTIFICATION

Safety(Pack)	UN38.3,MSDS				
Safety(Cell)	UN38.3,MSDS,IEC62619,CE,UL1973,UL2054				
Protection	BMS,Breaker				

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature Range(°C)	Charge 0°C~55°C;Discharge-20°C~55°C				
Altitude(m)	≤2000m				
Humidity	≤90%(Non-condensing)				

[1] DC usable energy,test conditions: 25°C±2°C,0.5C charge & discharge,90% DOD.System usable energy may vary due to system configuration parameters.

[2] The current is affected by temperature and SOC.

[3] Battery cell life standard, using cells that meet the requirements of this standard.

[4] Conditions apply,refer to Dawnice Warranty Agreement.

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