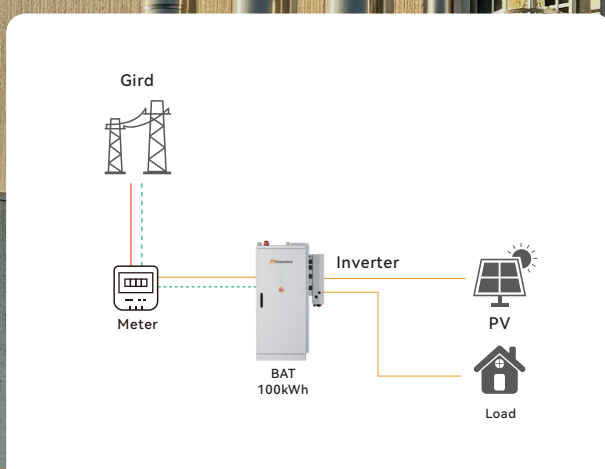


100kWh DC Energy Storage System

High quality C&I energy storage system



Features and Advantages



TRIPLE SAFETY MONITORING

Real-time detection: combustible gas, smoke, temperature
Cabinet equipped with automatic fire alarm



INTELLIGENT CONTROL

Dynamic load balancing accuracy: $\pm 1\%$
10ms response to grid fluctuations



MULTI-STATUS VISUAL INDICATION

Instant operational status recognition
Hazardous condition alert within 1s



EQUIPPED WITH A DISPLAY SCREEN

Real-time system parameter visualization
Integrated fault diagnosis system

PERFORMANCE SPECIFICATIONS

Battery Pack	HZEB-HCT-15
Battery Type	LiFePO ₄
Nominal Energy	14.336kWh
Nominal Capacity	280Ah
Nominal Voltage	51.2V
Recommended Current	140A
Cooling Method	Fans Cooling
Module IP Rating	IP20
Module Parameters	
Model	HZEB-HCT-100
Nominal Energy	100.35kWh
Usable Energy(kWh@90%DOD) ^[1]	90.31kWh
Nominal Capacity	280Ah
Nominal Voltage	358.4V
Operating Voltage Range	302.4~403.2V
Combination Method	1P112S
Scalability	Up to 10 units in parallel
Charge and Discharge Current ^[2]	140A
Display Mode	Green light: system running / Red light: system alarm
Communication Interface	CAN;RS485
BMS Communication Method	CAN
IP Rating	IP54
Anti-corrosion Grade	C3(Optional C5)
Noise	75dB(<1m distance)
Cooling Method	Air Cooling
Operating Temperature	-30°C~55°C(>45°C derating)
Operating Humidity	90%(non-condensing)
Operating Altitude	≤2000m
Cycle Life ^[3]	≥6000Cycles(25°C, 0.5C/0.5C,90%DOD,70%EOL)
Warranty Period ^[4]	5+5 years
Cumulative Discharge Energy	161.1MWh
Dimension (W*D*H)	915*1287*2085mm
Weight	1300kg

[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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