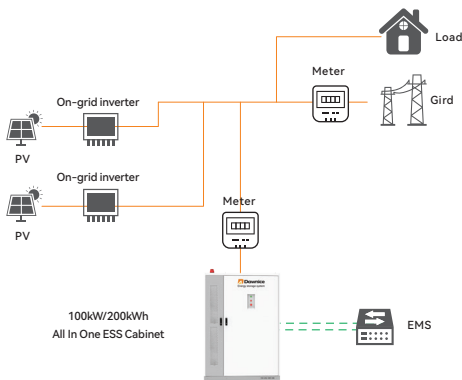


100kW/200kWh ESS

All In One Energy Storage System



Features



SAFE AND RELIABLE

Multi-state monitoring and linkage actions battery system ensures safety
fast-breaking and anti-arc protection



≥6 YEARS PAYBAC

Peak Shaving / Valley Filling: Smoothing grid load by cutting peaks and filling valleys
Energy Arbitrage: Trading stored energy for profit



MODULAR DESIGN

Highly integrated ESS with outdoor cabinet design provides high-protection class



SMART AND ROBUST

Fast state monitoring and fault record enables pre-alarm and fault location



EFFICIENT AND FLEXIBLE

Control ensures longer battery cycle life and easy for system expansion



CLOUD PLATFORM

Quickfault location and analysis

AC side	
Rated Voltage	230/400V
Voltage Deviation	±15%
AC Output Type	3W+N+PE
Rated Output Power(kW)	100kW
Max. output Power(kW)	116kW
Max. current(A)	167A
Rated Grid Frequency (Hz)	50/60Hz
Power Factor	0.99
Power Factor Range	-1 (leading) ~1 (lagging)
Current Distortion Rate	<2%(Rated Power)
DC Component	0.50%
Max. discharge Efficiency	98.50%
System parameters	
Atitude	≤2000m
Operating Temperature	-30°C~55°C (> 45°C derating)
Communication Interface	CAN;RS485
Display Mode	HMI Display
	Green light: system running / Red light: system alarm
Battery System(1P224S)	
Model	HZEB-ESS100P-200
Battery Type	LiFePO ₄
Rated Voltage	716.8V
Nominal Capacity	280Ah
Nominal Energy	200.7kWh
Available Energy(kWh@90%DOD) ^[1]	180.63kWh
Max.Charge/Discharge Current(A) ^[2]	140A
Voltage Range	627.2-806.4V
Configuration	1P224S
Scalability	Up to 10 units in parallel
Relative Humidity	90%
Cooling	Air Cooling
Operating Temperature Range(°C)	-30°C~55°C (> 45°C derating)
IP Rating	IP54
Anti-corrosion Grade	C3(Optional C5)
Dimension (W*D*H)	1500*1353.4*2185mm
Weight	2500kg
Cycle Life ^[3]	≥6000Cycles(25°C,0.5C/0.5C,90%DOD,70%EOL)
Warranty Period ^[4]	5+5 years
Cumulative Discharge Energy	322.3MWh
Certifications	UN38.3,MSDS,IEC62619(CB),CE-EMC

[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.