















Yichun Dawnice Manufacture and Trade Co., Ltd.

Address: Building 1, Xiongxing Technology Industrial Park, No. 111 Yishang Avenue, Yichun Economic Development Zone, Yuanzhou District, Yichun City, Jiangxi Province, China

WASTE **NO ENERGY**



Yichun Dawnice Manufacture and Trade Co., Ltd.

Focus On High Quality Residential & Commercial ESS



COMPANY PROFILE

Yichun Dawnice Manufacture and Trade Co., Ltd., founded in 2021, is a leading global provider of energy storage solutions. Headquartered in Yichun, Jiangxi, the "Lithium Capital of Asia", the company leverages the comprehensive local industrial chain and upstream resource synergy advantages to bring together an R&D and manufacturing team with 14 years of experience in the lithium battery field. The team has built an energy storage product system covering C&I, residential and diversified scenarios, providing customers with comprehensive energy storage solutions.

Amid the global energy transition, Dawnice has established more than 30 local service centers across over 150 countries and regions, serving more than 300,000 families with highly reliable and high-performance energy storage products and end-to-end services. Guided by our mission to "NO ENERGY WASTE", we are committed to advancing the large-scale adoption of clean energy.

Main Business

Focus On High Quality Residential & Commercial ESS





Vision



To Strive Forward No Energy Waste

To be the World Widest Energy Storage Service Provider





Slogan



Action, Innovation, To be the Best, Win-win

Trusty, Efficiency, Responsibility and Reliability











15GWH ANNUAL CAPACITY

New production line launched to ensure efficient global order fulfillment.

12-14 PPM

Four-times increase in productivity.

The output rate ramped up from 3-4 PPM to 12-14 PPM.





INTELLIGENT MANUFACTURING

High-Degree Automation Matrix

The modular lines are operated by 4 robots, handling core processes.

Smart positioning technology throughout ensures consistent, high-standard operations.

Monitors the entire production process in real time

Automatically activates for any abnormalities or product deviations. Provides 100% full-range quality inspection and testing coverage.



Full-auto

100%
Quality Inspection





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Dawnice



RESIDENTIAL ESS

PowerFly 6.0 Series

Wall-mounted / Ground-mounted

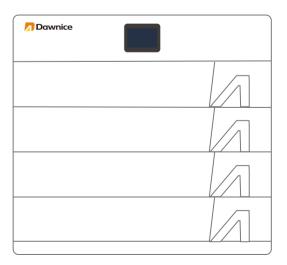
Mobile Control / IP54 / Optional Installation



HV Stackable Series

Six Ultra BS06-S

Mobile Control / Higher Density





Features



Mobile Control

- Remote fault diagnosis, upgrade and maintenance
- OCV intelligent algorithm calibration ensures SOC accuracy



- Big capacity with small volume for household
- Cycle life ≥ 8000 cycles



IP54 Dust and Water Protection

- IP54 protection rating, resist 200mm continuous heavy rain
- Dust-proof with desert-grade shield



Flexible Adaptability

- Quick and easy installation
- Modular design, expandable to 15 units in parallel

Yichun Dawnice Manufacture and Trade Co., Ltd.

TO BE THE WORLD WIDEST ENERGY STORAGE SERVICE PROVIDER



Model	HZEB-LCT-5	HZEB-LCT-10	HZEB-LCT-16	HZEB-LCT-2
Battery Type		LiFe	PO ₄	
Nominal Voltage	51.2V	51.2V	51.2V	51.2V
Configuration	3.2V100Ah/1P16S	3.2V206Ah/1P16S	3.2V314Ah/1P16S	3.2V205Ah/2P1
Capacity(Ah)	100Ah	206Ah	314Ah	410Ah
Nominal Energy(kWh)	5.12kWh	10.54kWh	16.07kWh	20.99kWh
Usable Energy(kWh@90%DOD) ^[1]	4.61kWh	9.49kWh	14.47kWh	18.89kWh
Max.Charge/Discharge Current(A)[2]	100A	100A	150A	200A
Voltage Range(V)		44.8~57.6V		
Scalability	Up to 15 units in parallel			
Communication Interface	CAN;RS232			
Cycle Life (@25°C,90%DOD)[3]	≥6000Cycles	≥6000Cycles	≥8000Cycles	≥6000Cycles
Warranty Period ^[4]	5+5 years			
Cumulative Discharge Energy	8.2MWh	16.9MWh	25.8MWh	33.7MWh
PERFORMANCE SPECIFICATIONS				
Weight(kg)	59kg	83.5kg	127kg	180kg
Dimension(W*D*H)	400*160*700mm	460*245*640mm	460*245*800mm	650*265*850n
Installation Method	Wall/Gro	und Mounted(20kWh	battery ground-moun	ted only)
IP Rating	IP54	IP54	IP54	IP21
SECURITY AND CERTIFICATION				
Safety(Pack)	UN38.3,MSDS,IEC62619(CB),CE-EMC,IEC63056 UN38.3,MSD			UN38.3,MSDS
Safety(Cell)	UN38.3,MSDS,IEC62619,CE,UL1973,UL2054			
Protection	BMS	BMS	BMS	BMS and break
ENVIRONMENTAL SPECIFICATIONS				
Operating Temperature Range(°C)		Charge 0°C~55°C;Di	scharge-20°C~55°C	
Altitude(m)		<20	00m	

^[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.

 $[\]hbox{[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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Features



50% higher energy density



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



Integrated grounding points with enhanced protective safety



Intelligent Design

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

Snap-Fit Installation With Freeform Stacking

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



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/69
Battery Type			LiFePO ₄		
Nominal Voltage	153.6V	230.4V	307.2V	384.0V	460.8V
Configuration	3.2V100Ah/1P24S				
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	403.2~518.4\
Scalability	Up to 5 battery clusters in parallel				
Communication Interface	CAN;RS485				
Cycle Life ^[3]	≥6000 Cycles (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*1170n
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)				

 $^{[1] \ \} DC\ usable\ energy,\ test\ conditions: 25^\circ\!C\pm2^\circ\!C,\ 0.5C\ charge\ \&\ discharge,\ 90\%\ DOD. System\ usable\ energy\ may\ vary\ due\ to\ system\ configuration\ parameters.$

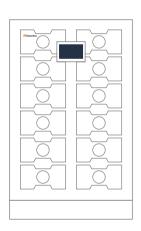
^[2] The current is affected by temperature and SOC.

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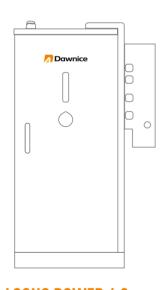




EnerFlex-2.0

112-225kWh HV Indoor Energy Storage Battery

Better heat dissipation
Easy maintenance, Dust-proof design



LOONG POWER 4.0

112kWh Outdoor Energy Storage System

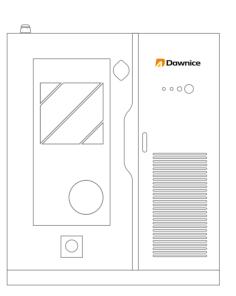
High Performance, Safety and Security
Flexible Expansion, Integrated Cabinet Design



LOONG POWER 4.0

225kWh DC Outdoor Energy Storage Battery

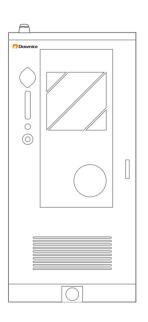
High Performance, Safety and Security
Flexible Expansion, Integrated Cabinet Design



Nezha Series BS07-265-ES-G

Integrated PV-Storage -Genset Hybrid System

All-in-one Hybrid System
125kW/265kWh, Multi-Energy Integration



Nezha Series BS07-265-ES-X

Peak Shaving & Valley Filling All-in-one ESS

All-in-one On-grid System 125kW/265kWh, Up to 10 units in parallel



HV Indoor Energy Storage Battery EnerFlex-2.0



Features and Advantages



• Temperature difference reduced by 35% Temperature rise reduced by 32.12%



• 200kWh battery installed in 5 minutes



High Flexibility

• BMS self-identification, up to 10 units in parallel



Easy Maintenance

 External communication acquisition module and remote screen, find the battery status in 5 minutes

Yichun Dawnice Manufacture and Trade Co., Ltd.

TO BE THE WORLD WIDEST ENERGY STORAGE SERVICE PROVIDER



Yichun Dawnice Manufacture and Trade Co., Ltd.

Nominal Voltage(V) 358.4V 512V 614.4V 716	Dawnice		YICNUN L	Pawnice Manutactur	e and Trade Co.,
Nominal Voltage(V) 358.4V 512V 614.4V 716	SPECIFICATIONS				
Cell Mode/Configuration 3.2V314Ah/TP16S Capacity(Ah)Cell 314Ah Nominal Energy(kWh) 112.53kWh 160.76kWh 192.92kWh 225.01 Usable Energy(kWh@90%DOD) ⁽¹⁾ 101.28kWh 144.69kWh 173.62kWh 202.50 Max Charge/Discharge Current(A) ⁽²⁾ 157A Voltage Range(V) 313.6~403.2V 448~576V 537.6~691.2V 627.2~0 Communication Interface CAN; RS485 Cycle Life ⁽²⁾ 88000 Cycles (26°C, 0.5C/0.5C, 90%DOD, 70%EOL) Warranty Periodi ⁽³⁾ 5** Syears Design Life ** Store as ** Store as Display Mode Green light: system running / Red light: system alarm Cooling Method Floor munited Cumulative Discharge Energy 180.7MWh 258.1MWh 309.8MWh 361.4 MECHANICAL SPECIFICATIONS Weight (kg) 1015kg 1400kg 1630kg 190 Dimension(W*D*H) 1100*792*1221m	Model	BS09-112-R/7S	BS09-160-R/10S	BS09-192-R/12S	BS09-225-R/149
Capacity(Ah)Cell 314Ah Nominal Energy(kWh) 112,53kWh 160.76kWh 192,92kWh 225.01 Usable Energy(kWh@90%DOD) ^{C1} 101.28kWh 144.69kWh 173.62kWh 202.56 Max.Charge/Discharge Current(A) ^{C2} 157A	Nominal Voltage(V)	358.4V	512V	614.4V	716.8V
Nominal Energy(kWh) 112.53kWh 160.76kWh 192.92kWh 225.03 Usable Energy(kWh@90%DOD) ¹¹ 101.28kWh 144.69kWh 173.62kWh 202.50 Max.Charge/Discharge Current(A) ¹²¹ 157A 157A Voltage Range(V) 313.6~403.2V 448~576V 537.6~691.2V 627.2~6 Communication Interface CAN; RS485 Cycle Life ¹⁰¹ ≥8000 Cycles (25°C, 0.5C/0.5C, 90%DOD, 70%EOL) Warranty Period ¹⁴¹ 5+5 years Programmed Prog	Cell Mode/Configuration	3.2V314Ah/1P16S			
Usable Energy(kWh@90%DOD) ⁽¹⁾ 101.28kWh 144.69kWh 173.62kWh 202.5i Max.Charge/Discharge Current(A) ⁽¹⁾² 313.6~403.2V 448~576V 537.6~691.2V 627.2~6 Communication Interface CAN; RS485 CAN; RS485 Cycle Life ⁽¹⁾ ≥8000 Cycles (25°C, 0.5C/0.5C, 90%DOD, 70%EOL) Charging Life ≥15Years Page ars Page ars </td <td>Capacity(Ah)Cell</td> <td></td> <td>314</td> <td>Ah</td> <td></td>	Capacity(Ah)Cell		314	Ah	
Max.Charge/Discharge Current(A)™ 313.6~403.2V 448~576V 537.6~691.2V 627.2~4 Communication Interface CAN; RS485 Cycle Life ^[5] ≥8000 Cycles (25°C, 0.5C/0.5C, 90%DOD, 70%EOL) Page 20 Warranty Period ^[4] 5+5 years Feb. (25°C) Page 20	Nominal Energy(kWh)	112.53kWh	160.76kWh	192.92kWh	225.07kWh
Voltage Range(V) 313.6~403.2V 448~576V 537.6~691.2V 627.2~1 Communication Interface CAN; RS485 Cycle Life ^[5]] ≥8000 Cycles (25°C, 0.5C/0.5C, 90%DOD, 70%EOL) Warranty Period ^[6] 5+5 years Feb. (25°C) Fe	Usable Energy(kWh@90%DOD)[1]	101.28kWh	144.69kWh	173.62kWh	202.56kWh
Communication Interface CAN; RS485 Cycle Life ^[3] ≥8000 Cycles (25°C, 0.5C/0.5C, 90%DOD, 70%EOL) Warranty Period ^[4] 5+5 years Design Life ≥15Years(25°C) HMI Display (optional) Display Mode Green light: system running / Red light: system alarm Cooling Method Fan cooling Installation Floor-mounted Cumulative Discharge Energy 180.7MWh 258.1MWh 309.8MWh 361.4 MECHANICAL SPECIFICATIONS Weight(kg) 1015kg 1400kg 1630kg 190 Dimension(W*D*H) 1100*792*1221mm 1100*792*1725mm 1100*792*1974mm 1100*792* SECURITY AND CERTIFICATIONS Safety(Pack) UN38.3,MSDS,IEC62619,CE,UL1973,UL2054 Protection Short-circuit protection,overcurrent protection,over-temperature protection ENVIRONMENTAL SPECIFICATIONS Operating Temperature("C) Charging: 0-55°C / Discharging: -20-55°C	Max.Charge/Discharge Current(A) ^[2]		157	7A	
Cycle Life ^[33] ≥8000 Cycles (25°C, 0.5C/0.5C, 90%DOD, 70%EOL) Warranty Period ^[4] Design Life ≥15Years(25°C) HMI Display (optional) Display Mode Green light: system running / Red light: system alarm Cooling Method Fan cooling Installation Floor-mounted Cumulative Discharge Energy 180.7MWh 258.1MWh 309.8MWh 361.4 MECHANICAL SPECIFICATIONS Weight(kg) 1015kg 1400kg 1630kg 1900 Dimension(W*D*H) 1100*792*1221mm 1100*792*1725mm 1100*792*1974mm 1100*792* IP Rating SECURITY AND CERTIFICATIONS Safety(Pack) UN38.3,MSDS Safety(Cell) UN38.3,MSDS Safety(Cell) Short-circuit protection,overcurrent protection,over-temperature protection ENVIRONMENTAL SPECIFICATIONS Operating Temperature(°C) Charging: 0-55°C / Discharging: -20-55°C	Voltage Range(V)	313.6~403.2V	448~576V	537.6~691.2V	627.2~806.4V
Warranty Period ^[4] Design Life ≥15Years Period[4] Display Mode HMI Display (optional) Green light: system running / Red light: system alarm Cooling Method	Communication Interface	CAN; RS485			
Design Life 215 Years (25°C) HMI Display (optional) Green light: system running / Red light: system alarm Cooling Method Fan cooling Installation Floor-mounted Cumulative Discharge Energy 180.7MWh 258.1MWh 309.8MWh 361.4 MECHANICAL SPECIFICATIONS Weight (kg) 1015kg 1400kg 1630kg 1900 Dimension (W*D*H) 1100*792*1221mm 1100*792*1725mm 1100*792*1974mm 1100*792* IP Rating IP 20 SECURITY AND CERTIFICATIONS Safety (Pack) UN38.3,MSDS Safety (Cell) UN38.3,MSDS,IEC62619,CE,UL1973,UL2054 Protection Short-circuit protection,overcurrent protection,over-temperature protection ENVIRONMENTAL SPECIFICATIONS Operating Temperature (°C) Charging: 0~55°C / Discharging: -20~55°C	Cycle Life ^[3]	≥8000 Cycles (25°C, 0.5C/0.5C, 90%DOD, 70%EOL)			
Display Mode Green light: system running / Red light: system alarm Cooling Method Fan cooling Installation Floor-mounted Cumulative Discharge Energy 180.7MWh 258.1MWh 309.8MWh 361.4 MECHANICAL SPECIFICATIONS Weight(kg) 1015kg 1400kg 1630kg 1900 Dimension(W*D*H) 1100*792*1221mm 1100*792*1725mm 1100*792*1974mm 1100*792* IP Rating IP20 SECURITY AND CERTIFICATIONS Safety(Pack) UN38.3,MSDS,IEC62619,CE,UL1973,UL2054 Protection Short-circuit protection,overcurrent protection,over-temperature protection ENVIRONMENTAL SPECIFICATIONS Operating Temperature(*C) Charging: 0~55*C / Discharging: -20~55*C	Warranty Period ^[4]	5+5 years			
Display Mode Green light: system running / Red light: system alarm Cooling Method Fan cooling Installation Floor-mounted Cumulative Discharge Energy 180.7MWh 258.1MWh 309.8MWh 361.4 MECHANICAL SPECIFICATIONS Weight(kg) 1015kg 1400kg 1630kg 1900 Dimension(W*D*H) 1100*792*1221mm 1100*792*1725mm 1100*792*1974mm 1100*792* IP Rating IP 20 SECURITY AND CERTIFICATIONS Safety(Pack) UN38.3,MSDS Safety(Cell) UN38.3,MSDS,IEC62619,CE,UL1973,UL2054 Protection ENVIRONMENTAL SPECIFICATIONS Operating Temperature(°C) Charging: 0~55°C / Discharging: -20~55°C	Design Life	≥15Years(25°C)			
Green light: system running / Red light: system alarm Cooling Method Fan cooling Installation Floor-mounted Cumulative Discharge Energy 180.7MWh 258.1MWh 309.8MWh 361.4 MECHANICAL SPECIFICATIONS Weight(kg) 1015kg 1400kg 1630kg 1900 Dimension(W*D*H) 1100*792*1221mm 1100*792*1725mm 1100*792*1974mm 1100*792*1974mm 1100*792* IPRating IP20 SECURITY AND CERTIFICATIONS Safety(Pack) UN38.3,MSDS,IEC62619,CE,UL1973,UL2054 Protection Short-circuit protection,overcurrent protection,over-temperature protection ENVIRONMENTAL SPECIFICATIONS Operating Temperature(°C) Charging: 0~55°C / Discharging: -20~55°C	D. J. W. J.	HMI Display (optional)			
Installation Floor-mounted Cumulative Discharge Energy 180.7MWh 258.1MWh 309.8MWh 361.4 MECHANICAL SPECIFICATIONS Weight(kg) 1015kg 1400kg 1630kg 1900 Dimension(W*D*H) 1100*792*1221mm 1100*792*1725mm 1100*792*1974mm 1100*792* IP Rating IP20 SECURITY AND CERTIFICATIONS Safety(Pack) UN38.3,MSDS Safety(Cell) UN38.3,MSDS,IEC62619,CE,UL1973,UL2054 Protection Short-circuit protection,overcurrent protection,over-temperature protection ENVIRONMENTAL SPECIFICATIONS Operating Temperature(°C) Charging: 0~55°C/Discharging: -20~55°C	Display Mode	Green light: system running / Red light: system alarm			
Cumulative Discharge Energy 180.7MWh 258.1MWh 309.8MWh 361.4 MECHANICAL SPECIFICATIONS Weight(kg) 1015kg 1400kg 1630kg 1900 Dimension(W*D*H) 1100*792*1221mm 1100*792*1725mm 1100*792*1974mm 1100*792* IP Rating IP20 SECURITY AND CERTIFICATIONS Safety(Pack) UN38.3,MSDS Safety(Cell) UN38.3,MSDS,IEC62619,CE,UL1973,UL2054 Protection Short-circuit protection,overcurrent protection,over-temperature protection ENVIRONMENTAL SPECIFICATIONS Operating Temperature(°C) Charging: 0~55°C / Discharging: -20~55°C	Cooling Method	Fan cooling			
MECHANICAL SPECIFICATIONS Weight(kg) 1015kg 1400kg 1630kg 1900 Dimension(W*D*H) 1100*792*1221mm 1100*792*1725mm 1100*792*1974mm 1100*792* IP Rating IP20 SECURITY AND CERTIFICATIONS Safety(Pack) UN38.3,MSDS Safety(Cell) UN38.3,MSDS,IEC62619,CE,UL1973,UL2054 Protection Short-circuit protection,overcurrent protection,over-temperature protection ENVIRONMENTAL SPECIFICATIONS Operating Temperature(*C) Charging: 0~55*C / Discharging: -20~55*C	Installation	Floor-mounted			
Weight(kg) 1015kg 1400kg 1630kg 1900 Dimension(W*D*H) 1100*792*1221mm 1100*792*1725mm 1100*792*1974mm 1100*792* IPRating IP20 SECURITY AND CERTIFICATIONS Safety(Pack) UN38.3,MSDS Safety(Cell) UN38.3,MSDS,IEC62619,CE,UL1973,UL2054 Protection Short-circuit protection,overcurrent protection,over-temperature protection ENVIRONMENTAL SPECIFICATIONS Operating Temperature(°C) Charging: 0~55°C / Discharging: -20~55°C	Cumulative Discharge Energy	180.7MWh 258.1MWh 309.8MWh 3			361.4MWh
Dimension(W*D*H) 1100*792*1221mm 1100*792*1725mm 1100*792*1974mm 1100*792* IP20 SECURITY AND CERTIFICATIONS Safety(Pack) UN38.3,MSDS UN38.3,MSDS UN38.3,MSDS,IEC62619,CE,UL1973,UL2054 Protection Short-circuit protection,overcurrent protection,over-temperature protection ENVIRONMENTAL SPECIFICATIONS Operating Temperature(°C) Charging: 0~55°C / Discharging: -20~55°C	MECHANICAL SPECIFICATIONS				
IP Rating SECURITY AND CERTIFICATIONS Safety(Pack) UN38.3,MSDS UN38.3,MSDS,IEC62619,CE,UL1973,UL2054 Protection Short-circuit protection,overcurrent protection,over-temperature protection ENVIRONMENTAL SPECIFICATIONS Operating Temperature(°C) Charging: 0~55°C / Discharging: -20~55°C	Weight(kg)	1015kg	1400kg	1630kg	1900kg
Safety(Pack) Safety(Cell) UN38.3,MSDS,IEC62619,CE,UL1973,UL2054 Protection Short-circuit protection,overcurrent protection,over-temperature protection ENVIRONMENTAL SPECIFICATIONS Operating Temperature(°C) Charging: 0~55°C / Discharging: -20~55°C	Dimension(W*D*H)	1100*792*1221mm	1100*792*1725mm	1100*792*1974mm	1100*792*2226m
Safety(Pack) UN38.3,MSDS Safety(Cell) UN38.3,MSDS,IEC62619,CE,UL1973,UL2054 Protection Short-circuit protection,overcurrent protection,over-temperature protection ENVIRONMENTAL SPECIFICATIONS Operating Temperature(°C) Charging: 0~55°C / Discharging: -20~55°C	IP Rating	IP20			
Safety(Cell) UN38.3,MSDS,IEC62619,CE,UL1973,UL2054 Protection Short-circuit protection,overcurrent protection,over-temperature protection ENVIRONMENTAL SPECIFICATIONS Operating Temperature(°C) Charging: 0~55°C / Discharging: -20~55°C	SECURITY AND CERTIFICATIONS				
Protection Short-circuit protection,overcurrent protection,over-temperature protection ENVIRONMENTAL SPECIFICATIONS Operating Temperature(°C) Charging: 0~55°C / Discharging: -20~55°C	Safety(Pack)		UN38.3	,MSDS	
ENVIRONMENTAL SPECIFICATIONS Operating Temperature(°C) Charging: 0~55°C / Discharging: -20~55°C	Safety(Cell)	UN38.3,MSDS,IEC62619,CE,UL1973,UL2054			
Operating Temperature(°C) Charging: 0~55°C / Discharging: -20~55°C	Protection	Short-circuit protection, overcurrent protection, over-temperature protection			
	ENVIRONMENTAL SPECIFICATIONS				
Working Altitudo(m)	Operating Temperature(°C)		Charging: 0~55°C / Di	scharging: -20~55℃	
WORKING ALLITUDE (III)	Working Altitude(m)		≤200	00m	
Humidity ≤90%(non-condensing)	Humidity		≤90%(non-c	ondensing)	

 $^{[1] \}quad \text{DC usable energy, test conditions: } 25^{\circ}\text{C} \pm 2^{\circ}\text{C}, \quad 0.5\text{C charge \& discharge}, \quad 90\% \, \text{DOD.} \\ \text{System usable energy may vary due to system configuration parameters}.$

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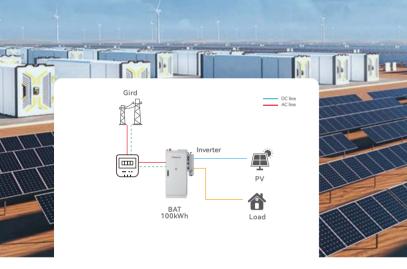
^[3] Battery cell life standard, using cells that meet the requirements of this standard.

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





Plug-and-play Inverter Compatibility
Triple Safety Monitoring





Features



Multi-Status Visual Indication

- Instant operational status recognition
- Hazardous condition alert within 1s



Plug-and-play Inverter Compatibility

- ≥8,000-cycle durability certification
- Auto-recognition & plug-and-play



Triple Safety Monitoring

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



Equipped with a Display Screen

- Real-time system parameter visualization
- Integrated fault diagnosis system



4ODEL	BS09-112-D-P	
Battery Type	LiFePO ₄	
Nominal Energy	16.076kWh	
Nominal Capacity	314Ah	
Nominal Voltage	51.2V	
Number of Battery Packs	7	
Cooling Method	Fan Cooling	
Charging Temperature Range	0°C~55°C	
Discharging Temperature Range	-10°C~55°C	
Module IP Rating	IP20	
Module Parameters		
Nominal Energy	112.53kWh	
System Usable Energy(kWh@90%DOD)[1]	101.28kWh	
Nominal Voltage	358.4V	
Operating Voltage Range	313.6~403.2V	
Combination Method	1P112S	
Charge and Discharge Current (A) ^[2]	157A	
Discharge Depth	Max100%(Suggestion 80%)	
P Rating	IP54	
Anti-corrosion Grade	C3(Optional C5)	
nstallation	Outdoor,floor-mounted	
Cooling Method	Intelligent Air Cooling	
Operating Temperature	-30~55°C (derating above 45°C)	
Storage Temperature	0~35°C	
Display Mode	Green light: system running / Red light: system alarm	
Communication Interface	CAN; RS485	
BMS Communication Method	CAN	
Operating Humidity	≤90%(non-condensing)	
Operating Altitude	≤2000m	
Cycle Life ^[3]	≥8000 Cycles (25°C , 0.5C/0.5C, 90%DOD, 70%EOL)	
Warranty ^[4]	5+5 years	
Dimension (W*D*H)	915*1287*2085mm	
Weight	1342kg	
Cumulative Discharge Energy	180.7MWh	
Certification	MSDS, UN38.3	

 $^{[1] \}quad \text{DC usable energy, test conditions: } 25^{\circ}\text{C} \pm 2^{\circ}\text{C}, \quad 0.5\text{C charge \& discharge}, \quad 90\% \, \text{DOD.} \\ \text{System usable energy may vary due to system configuration parameters}.$

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

 $[\]begin{tabular}{ll} [3] Battery cell life standard, using cells that meet the requirements of this standard. \\ \end{tabular}$

^[4] Conditions apply refer to Dawnice Warranty Agreement

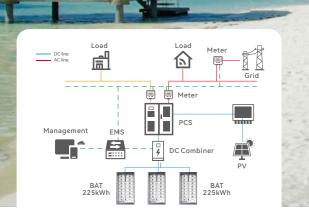
Text and images correspond to the current state of technology at the time of printing, subject to modifications. All information is without guarantee despite of careful editing-liability excluded.



225kWh DC Outdoor LOONG POWER 4.0

Automatic Fire Alarm
Automatic Fire Extinguishing System

Energy Storage Battery





Features



High Efficiency Conversion

• Charge-discharge conversion and system efficiency≥90%



Intelligent Control

 Intelligent climate control systems for a wide range of applications



Stable Operation

• With perfect communication, monitoring function,long time continuous and stable operation



Fire Fighting System

 Cabinet equipped with automatic fire alarm and automatic fire extinguishing system

Yichun Dawnice Manufacture and Trade Co., Ltd.

TO BE THE WORLD WIDEST ENERGY STORAGE SERVICE PROVIDER



4odel	BS09-225-D
Battery Pack(1P16S)	
Battery Type	LiFePO ₄
Rated Voltage	51.2V
Nominal Capacity	314Ah
Pack Energy	16.076kWh
Veight	122kg
Battery System(1P224S)	
Rated Voltage	716.8V
Nominal Energy(kWh)	225.07kWh
Jsable Energy(kWh@90%DOD)[1]	202.56kWh
Max.Charge/Discharge Current(A)[2]	157A
oltage Range	627.2-806.4V
Cycle Life[3]	≥8000 Cycles(25°C,0.5C/0.5C,90%DOD,70%EOL)
Varranty Period[4]	5+5 years
Cumulative Discharge Energy	361.4MWh
Configuration	1P224S
calability	Up to 10 units in parallel
Relative Humidity	90%
Cooling Method	Intelligent Air Cooling
Noise	75dB(<1m distance)
Altitude	≤2000m
Operating Temperature Range(°C)	-30°C~55°C(> 45°C derating)
Display Mode	Green light: system running / Red light: system alarm
Communication Interface	CAN;RS485
BMS Communication Method	CAN
PRating	IP54
anti-corrosion Grade	C3(Optional C5)
Dimension (W*D*H)	1250*1413*2385mm
Veight	2534kg
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.

 $[\]begin{tabular}{ll} [3] Battery cell life standard, using cells that meet the requirements of this standard. \\ \end{tabular}$

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

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Dawnice Integrated PV-Storage -Genset Hybrid System

Nezha Series BS07-265-ES-G



Features



Triple-layer protection architecture
Real-time fault diagnosis
Multi-level thermal runaway prevention

Integrated Fire Protection

Multi-sensor early warning Automatic aerosol suppression <500ms response time

Flexible Load Management

3P4W unbalanced load support Dynamic phase compensation 0.9 leading/lagging PF adjustment æ I

Intelligent Power Management

High-precision SOC/SOH monitoring Adaptive charge/discharge control ≥99.9% system availability

Multi-Energy Integration

Seamless PV/diesel/grid coupling Automatic source transfer (≤20ms) Hybrid power scheduling

Multi-Mode Operation

Grid-connected/Islanding/Hybrid modes Black start capability Microgrid interoperability

odel	BS07-265-ES-G	
attery Parameters		
attery Type	LiFePO ₄	
onfiguration	1P264S	
ated Battery Voltage	DC 844.8V	
ominal Capacity	314Ah	
attery Voltage Range	739.2~950.4V	
ominal Energy	265.267kWh	
sable Energy(kWh@90%DOD)	238.74kWh	
ycle Life	≥8000 Cycles(@25°C,0.5C,90%DOD,70%EOL)	
Varranty Period	5+5 years	
umulative Discharge Energy	426.0MWh	
V input Parameters		
nput Power	120kW	
V Open-circuit Voltage	DC 200~900V	
IPPT Voltage Range	DC 200~700V	
tart-up Voltage	250V	
o. of MPPT Trackers	1	
lax. PV Current	200A	
hort-circuit Current	60A+60A+60A	
C (On Grid)		
ated Power	125kW	
output Voltage	AC 230/400V	
rid Frequency	50/60Hz	
rid Connection Form	3W+N+PE	
ower Factor	0.99	
ower Factor Range	-1(leading)~1(lagging)	
HDi	<2%(rated power)	
C (off-grid)		
ated Power	125kW	
utput Voltage	AC 230/400V	
rid Frequency	50/60Hz	
C Voltage harmonic	<3%(Linear load)	
colation Transformer Parameters	5.5(253)	
oltage	AC 400/400V	
apacity	150kVA	
lax. Efficiency	≥97%	
hort-Circuit Impedance	4%	
asic Parameters		
imension (W*D*H)	1758*1476*2135mm	
/eight	3350kg	
perating Temperature Range(°C)	-30°C~55°C(> 45°C derating)	
elative Humidity	5%~90%(non-condensing)	
Rating	IP54	
nti-corrosion Grade	C4(Optional C5)	
oise	75dB(<1m distance)	
ltitude	≤2000m	
ooling Method	Intelligent Air Cooling (Battery compartment air conditioning, electrical compartment	
ertifications	UN38.3,MSDS,IEC62619(CB),IEC63056(CB),IEC62040-1(CB),CE-EMC,IEC62477-1,	



Features



314Ah high-capacity cells with industry-leading energy density CTP (cell-to-pack) technology improve energy density



Dual fire suppression: cluster-level aerosol + cabin-leve water mist enhanced cell monitoring for precise cutoff

S Foolproof & Efficient Maintenance

Error-proof busbar design cuts installation time Advanced balancing algorithm extends battery lifespan



Flexible & Space-Saving Deployment

Front-in/rear-out thermal design enables zero-gap side-by-side & back-to-back installation optimized airflow maintains stability in high-density layouts



Intelligent Temperature Control

PCS waste heat recovery reduces auxiliary cooling energy



Smart Monitoring System

Real-time voltage/temperature tracking for proactive safety management



lodel	BS07-265-ES-X	
attery Parameters		
attery Type	LiFePO ₄	
ell Mode/Configuration	3.2V314Ah/1P264S	
lated Battery Voltage	DC 844.8V	
Battery Voltage Range	DC 739.2~950.4V	
Nominal Energy	265.26kWh	
Usable Energy(kWh@90%DOD)[1]	238.74kWh	
Max Charge/Discharge Current(A) ^[2]	157A	
Cycle Life ^[3]	≥8000 Cycles(@25°C,0.5C,90%DOD,70%EOL)	
Warranty Period ^[4]	5+5 years	
Cumulative Discharge Energy	426.0MWh	
AC (On Grid)		
Rated Voltage	400V	
Rated Voltage Range	±15%	
Grid Frequency	50/60Hz	
Grid Connection Form	3W+N+PE	
Rated Power	125kW	
Max. power	138kW	
Max. current ^[4]	200A	
Power Factor	0.99/-1~1	
THDi	<2%(rated power)	
DC Component	<0.5%	
Overload Capacity	110%	
Max. efficiency	98.5%	
Basic Parameters		
Dimension (W*D*H)	1095*1520*2395mm	
Weight	2680kg	
Operating Temperature Range(°C)	-30°C~55°C(> 45°C derating)	
Relative Humidity	5%~90%(non-condensing)	
P Rating	IP54	
Anti-corrosion Grade	C4(Optional C5)	
Noise	75dB(<1m distance)	
Altitude	≤2000m	
Cooling Method	Intelligent Air Cooling	
Fire Protection	Aerosol and water fire protection	
Communication Interface	CAN;RS485	
Certifications	UN38.3,MSDS,IEC62619(CB),IEC63056(CB),IEC62040-1(CB),CE-EMC,IEC62477-1,IEC	

^[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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LEADING C&LESS PROVIDER

14 years specializing in lithium batteries, with full supply-chain control from raw materials ,cells, battery assembly , applications to ensure top-tier reliability.

China's first standardized commercial & industrial energy storage solution.







ALL-SCENARIO ESS SOLUTIONS

PV-Storage System, PV-Storage-Diesel Hybrid System, Smart Microgrid, Peak Shaving & Valley Filling etc.







Office Buildings

Hospitals

Shopping Malls







Off-grid Resort

Data Center

Heavy Industry







Farms

Charging Station

Mine And Field Operation Base







Cold Storage

Greenhouse

5G Communication Base Station

RESIDENTIAL CASES



Middle East



Poland



Cuba



Liberia



Malaysia



Vietnam



Puerto Rico



Thailand



Mali



Poland



Middle East



USA



Q U.K.



Mali



C&I PROJECT CASES



Netherlands



Vietnam



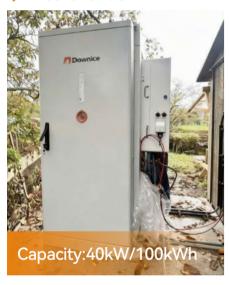
Ireland



Germany



Netherlands



Nigeria



Zambia



USA



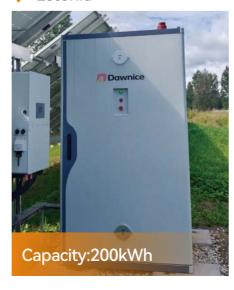
Yemen



Uzbekistan



Estonia



Middle East



Austria



GLOBALLY CERTIFIED

Certified to IEC 62619, IEC 62477, IEC 61000, IEC 63056, ISO9001, MSDS, UN38.3 etc.







UN38.3 (€







Invention Patent

Invention patent ZL 2023 1 1056878.2 Design patent ZL 2025 3 0069876.0 Utility model patent ZL 2024 2 2985320.9



DAWNICE SERVICE CENTER



Engineer Team

24-persons Engineer Team



After-sales Team

24 Hours / 7 Days Online Service



Product Training

Professional One-to-one **Products Training**



Installation

Worldwide Dawnice Installers







TO BE THE WORLD WIDEST **ENERGY STORAGE** SERVICE PROVIDER















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