



Yichun Dawnice Manufacture and Trade Co ., Ltd.

Focus On High Quality Residential & Commercial ESS



NO ENERGY WASTE

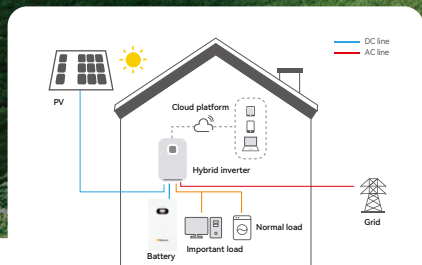
TO BE THE WORLD WIDEST ENERGY STORAGE SERVICE PROVIDER

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

Energy Storage Battery PowerFly 6.0

Wall-mounted / Ground-mounted

Mobile Control, Selfdeveloped BMS
Optional Installation



PERFORMANCE SPECIFICATIONS

Model	HZEB-LCT-5	HZEB-LCT-10	HZEB-LCT-16	HZEB-LCT-20
Nominal Voltage	51.2V	51.2V	51.2V	51.2V
Cell Model/Configuration	3.2V100Ah/1P16S	3.2V206Ah/1P16S	3.2V314Ah/1P16S	3.2V205Ah/2P16S
Capacity(Ah)	100Ah	206Ah	314Ah	410Ah
Nominal Energy(kWh)	5.12kWh	10.54kWh	16.07kWh	20.99kWh
Usable Energy(kWh@90%DOD)	4.61kWh	9.49kWh	14.47kWh	18.89kWh
Max.Charge/Discharge Current(A)	100A	100A	150A	200A
Voltage Range(V)	44.8~57.6V			
Scalability	Up to 15 units in parallel			
Communication	CAN;RS232			
Cycle Life (@25°C,90%DOD)	≥5000Cycles	≥6000Cycles	≥8000Cycles	≥6000Cycles
Warranty Period	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*850mm
Installation Method	Wall/Ground Mounted(20kWh battery ground-mounted only)			
IP Rating	IP54	IP54	IP54	IP21

SECURITY AND CERTIFICATION

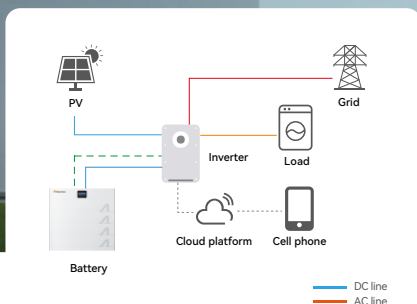
Safety(Pack)	UN38.3,MSDS,IEC62619(CB),CE-EMC,IEC63056			UN38.3,MSDS
Safety(Cell)	UN38.3,MSDS,IEC62619,CE,UL1973,UL2054			
Protection	BMS	BMS	BMS	BMS and breaker

ENVIRONMENTAL SPECIFICATIONS

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

HV Stackable Energy Storage Battery

Six Ultra BS06-S



PERFORMANCE SPECIFICATIONS

Model	BS06-15-S/2S	BS06-23-S/3S	BS06-30-S/4S	BS06-38-S/5S	BS06-46-S/6S
Nominal Voltage	153.6V	230.4V	307.2V	384.0V	460.8V
Cell Mode/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)	13.82kWh	20.73kWh	27.64kWh	34.56kWh	41.47kWh
Max.Charge/Discharge Current(A)	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 battery clusters in parallel				
Communication	CAN;RS485				
Cycle Life	≥6000 Cycles (25°C,0.5C/0.5C,90%DOD,70%EOL)				
Warranty Period	5+5 years				
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				

SECURITY AND CERTIFICATION

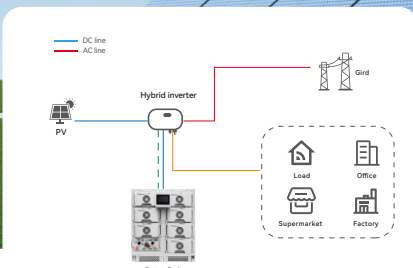
Safety(Pack)	UN38.3,MSDS				
Safety(Cell)	UN38.3,MSDS,IEC62619,CE,UL1973,UL2054				
Protection	BMS,Breaker				

ENVIRONMENTAL SPECIFICATIONS

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

HV Indoor Energy Storage Battery EnerFlex-2.0

Dust Proof, No Cable Leakage
More Safer & Beautiful Appearance



SPECIFICATIONS

Model(High voltage)	BS09-112-R/7S	BS09-160-R/10S	BS09-192-R/12S	BS09-225-R/14S
Nominal Voltage(V)	358.4V	512.0V	614.4V	716.8V
Cell Mode/Configuration	3.2V314Ah/1P16S			
Capacity(Ah)Cell	314Ah			
Nominal Energy(kWh)	112.53kWh	160.76kWh	192.92kWh	225.07kWh
Usable Energy(kWh@90%DOD)	101.28kWh	144.69kWh	173.62kWh	202.56kWh
Max.Charge/Discharge Current(A)	157A			
Voltage Range(Vdc)	313.6~403.2V	448~576V	537.6~691.2V	627.2~806.4V
Scalability	Up to 10 units in parallel			
Communication Interface	CAN; RS485			
Cycle Life	≥8000 Cycles (25°C, 0.5C/0.5C, 90%DOD, 70%EOL)			
Warranty Period	5+5 years			
Cumulative Discharge Energy	180.7MWh	258.1MWh	309.8MWh	361.4MWh

MECHANICAL SPECIFICATIONS

Weight(kg)	1015kg	1400kg	1630kg	1900kg
Dimension(W*D*H)	1100*792*1221mm	1100*792*1725mm	1100*792*1974mm	1100*792*2226mm
IP Rating	IP20			

SECURITY AND CERTIFICATION

Safety(Pack)	UN38.3,MSDS			
Safety(Cell)	UN38.3,MSDS,IEC62619,CE,UL1973,UL2054			
Protection	Short-circuit protection/overcurrent protection/over-temperature protection			

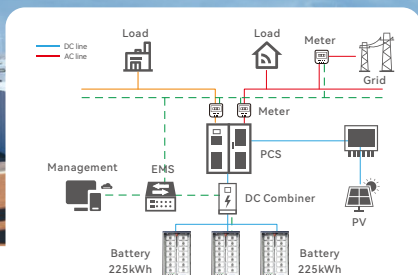
ENVIRONMENTAL SPECIFICATIONS

Operating Temperature(°C)	Charging: 0~55°C / Discharging: -20~55°C			
Working Altitude(m)	≤2000m			
Humidity	≤90%(Non-condensing)			
Cooling Method	Fan cooling			

112kWh & 225kWh

LOONG POWER 4.0 Outdoor DC ESS

High Performance Flexible Expansion
Safety and Security Integrated Cabinet Design



LOONG POWER 4.0 BS09-112-D-P

LOONG POWER 4.0 BS09-225-D



PERFORMANCE SPECIFICATIONS

Model	BS09-112-D-P	BS09-225-D
Battery Type	LiFePO ₄	
Nominal Energy	112.53kWh	225.07kWh
Nominal Capacity	314Ah	
Nominal Voltage	358.4V	716.8V
Operating Voltage Range	313.6~403.2V	627.2~806.4V
Combination Method	1P112S	1P224S
Charge and Discharge Current	157A	
Discharge Depth	Max 90%(Suggestion 80%)	
System Protection Rating	IP54	
Cooling Method	Intelligent Air cooling	
Operating Temperature Range(°C)	-30°C~55°C(>45°C derating)	
Operating Humidity	5%~90%RH(non-condensing)	
Operating Altitude	≤2000m	
Cycle Life	≥8000 Cycles(25°C,0.5C/0.5C,90%DOD,70%EOL)	
Dimension(W*D*H)	915*1287*2085mm	1250*1413*2385mm
Weight	1320kg	2540kg
Module Parameters		
Nominal Energy	16.076kWh	
Nominal Voltage	51.2V	
Warranty Period	5+5 years	
Cumulative Discharge Energy	180.7MWh	361.4MWh
SECURITY AND CERTIFICATION		
Safety(Pack)	MSDS, UN38.3,IEC62619,IEC61000,IEC62477	
Safety(Cell)	UN38.3,MSDS,IEC62619CE,UL1973,UL2054	
Protection	Fire protection system/temperature control system Short- circuit protection/overcurrent protection/over-temperature protection	

125kW/265kWh

All-in-one ESS

- Peak Shaving & Valley Filling
- Integrated PV-Storage
- Genset Hybrid System



Nezha Series
BS07-265-ES-G



Nezha Series
BS07-265-ES-X



Model	BS07-265-ES-G	BS07-265-ES-X	BS07-265
Battery Parameters			
Battery Type	LiFePO ₄	LiFePO ₄	LiFePO ₄
Configuration	1P264S	1P264S	1P264S
Rated Battery Voltage	DC 844.8V	DC 844.8V	DC 844.8V
Battery Voltage Range	739.2~950.4V DC	DC 739.2~950.4V	DC 739.2~950.4V
Nominal Capacity	265.26kWh	265.26kWh	265.26kWh
Usable Energy(kWh@90%DOD)	238.74kWh	238.74kWh	238.74kWh
Nominal Capacity	314Ah	314Ah	314Ah
Cycle Life	≥8000 Cycles	≥8000 Cycles	≥8000 Cycles
Warranty Period	5+5 years	5+5 years	5+5 years
Cumulative Discharge Energy	426.0MWh	426.0MWh	426.0MWh
PV Input Parameters			
Input Power	120kW	-	-
PV Open-circuit Voltage	DC 200~900V	-	-
MPPT Voltage Range	DC 200~700V	-	-
AC (On Grid)			
Rated Power	125kW	125kW	-
Output Voltage	230/400V AC	230/400V AC	-
Grid Frequency	50/60Hz	50/60Hz	-
Grid Connection Form	3W+N+PE	3W+N+PE	-
THDi	< 2% (rated power)	< 2% (rated power)	-
AC (off-grid)			
Rated Power	125kW	-	-
Output Voltage	AC 230/400V	-	-
Grid Frequency	50/60Hz	-	-
Isolation Transformer Parameters			
Voltage	AC 400/400V	-	-
Capacity	150kVA	-	-
Basic Parameters			
Dimensions (W*D*H)	1758*1476*2135mm	1095*1520*2395mm	1095*1520*2395mm
Weight	3350kg	2680kg	2332kg
Operating Temperature Range(°C)	-30°C~55°C (> 45°C derating)	-30°C~55°C (> 45°C derating)	-30°C~55°C (> 45°C derating)
IP Rating	IP54	IP54	IP54
Altitude	≤2000m	≤2000m	≤2000m
Cooling Method	Intelligent Air Cooling (Battery compartment air conditioning,electrical compartment fan)		
Certifications	UN38.3,MSDS,IEC62619(CB),IEC63056(CB),IEC62040-1(CB),CE-EMC,IEC62477-1,IEC61000		

Energy Storage Container

1MW / 2MWh
500kW / 1MWh



PERFORMANCE SPECIFICATIONS

Model	ESS1000-2089	ESS500-1045
AC Data		
Rated Power (kW)	1000	500
Rated Voltage (V)	400	400
Rated Current (A)	1570A	785A
Voltage Range (V)(On-grid)	320V-460V	320V-460V
Rated Frequency	50/60Hz	50/60Hz
Frequency Range	45-55/55-65Hz	45-55/55-65Hz
THDi(On-Grid)	<3%	<3%
THDu (Off-Grid)	<1% linear; < 5% non-linear	<1% linear; < 5% non-linear
Power Factor	1 (0.8 leading ~ 0.8 lagging can be set)	1 (0.8 leading ~ 0.8 lagging can be set)
Overload Capacity	110% Long term	110% Long term
AC Output	3W+N+PE	3W+N+PE
Isolation Transformer	315/400	315/400
On-grid Off-grid Switching	Support	Support
Battery Data		
Cell Type	3.2V/314Ah	3.2V/314Ah
Nominal Voltage(V)	665.6V/10P208S	665.6V/5P208S
Nominal Energy (MWh)	2.089	1.045
Working Voltage Range (V)	582.4-748.8V	582.4-748.8V
Max. Charge and Discharge Rate	0.5C@25°C	0.5C@25°C
Cycle Life	≥8000	≥8000
System Data		
Dimensions W*D*H (mm)	40GP	20GP
Net Weight (kg)	38,000	21,000
Operating Temperature (°C)	0~+45	0~+45
Relative Humidity	0~95%(non-condensing)	0~95%(non-condensing)
Ingress Protection	IP54	IP54
Noise Emission (dB)	<75dB	<75dB
Operating Altitude	3,000m	3,000m
Cooling Method	Intelligent air cooling	Intelligent air cooling
Fire Extinguishing System	FM200/NOVEC1230	FM200/NOVEC1230
Display	Touch LCD display+cloud platform	Touch LCD display+cloud platform
EMS Communication	RS485, TCP/IP	RS485, TCP/IP
Corrosion Protection Grade	C5	C5

PROJECT CASES

📍 Vietnam



Capacity:32kWh

📍 Middle East



Capacity:160kWh

📍 Nigeria



Capacity:1.3MWh

📍 Vietnam



Capacity:265kWh

📍 Kenya



Capacity:250kW/240kWh

📍 Estonia



Capacity:200kWh

📍 Uzbekistan



Capacity:40kW/100kWh

📍 Netherlands



Capacity:1MW / 2MWh