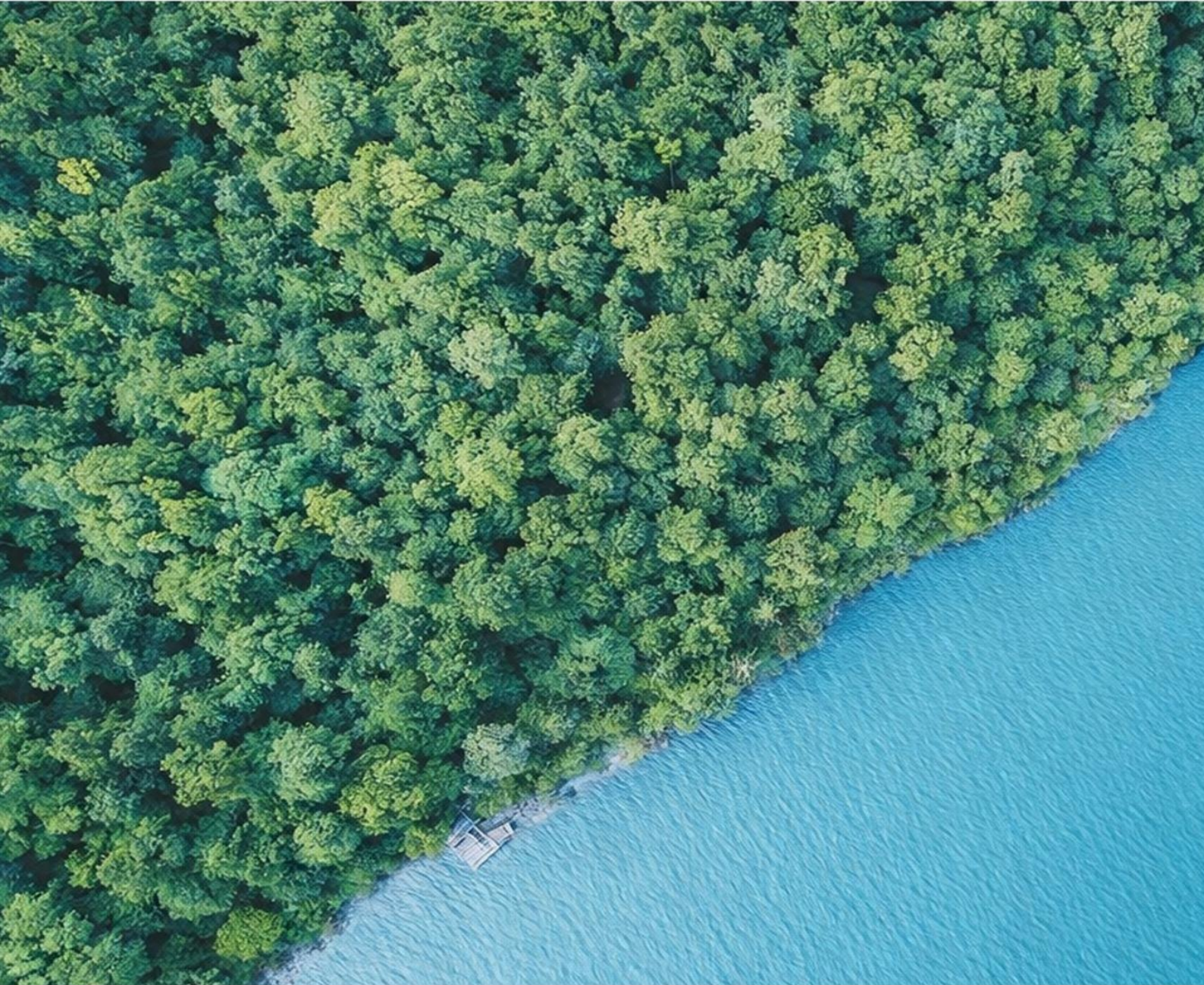


# POWERING A SUSTAINABLE FUTURE FOR ALL

CLEAN · SMART · RELIABLE



## VESOL ENERGY

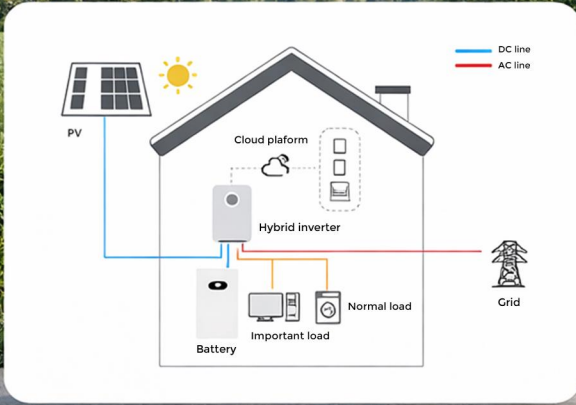
Smart Energy Storage for Residential & Commercial Applications

2021-2026

# Energy storage battery PowerFly 6.0

Wall-mounted / Ground-mounted

5kWh/10kWh  
16kWh/20kWh



## 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)	≥6000cycles	≥6000cycles	≥8000cycles	≥6000cycles
Warranty Period	5+5years			
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

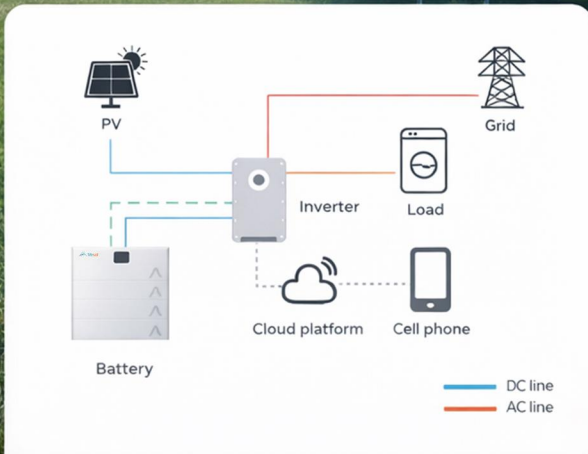
Safety(Pack)	UN38.3,MSDS,IEC62619(CB),CE-EMC,IEC63056			UN38.3.MSDS
Safety(Cell)	UN38.3,MSDS,IEC62619,CE,UL1973,UL2054			
Protection	BMS	BMS	BMS	BMS and breaker

## 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

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+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				

### SECURITY AND CERTIFICATION

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

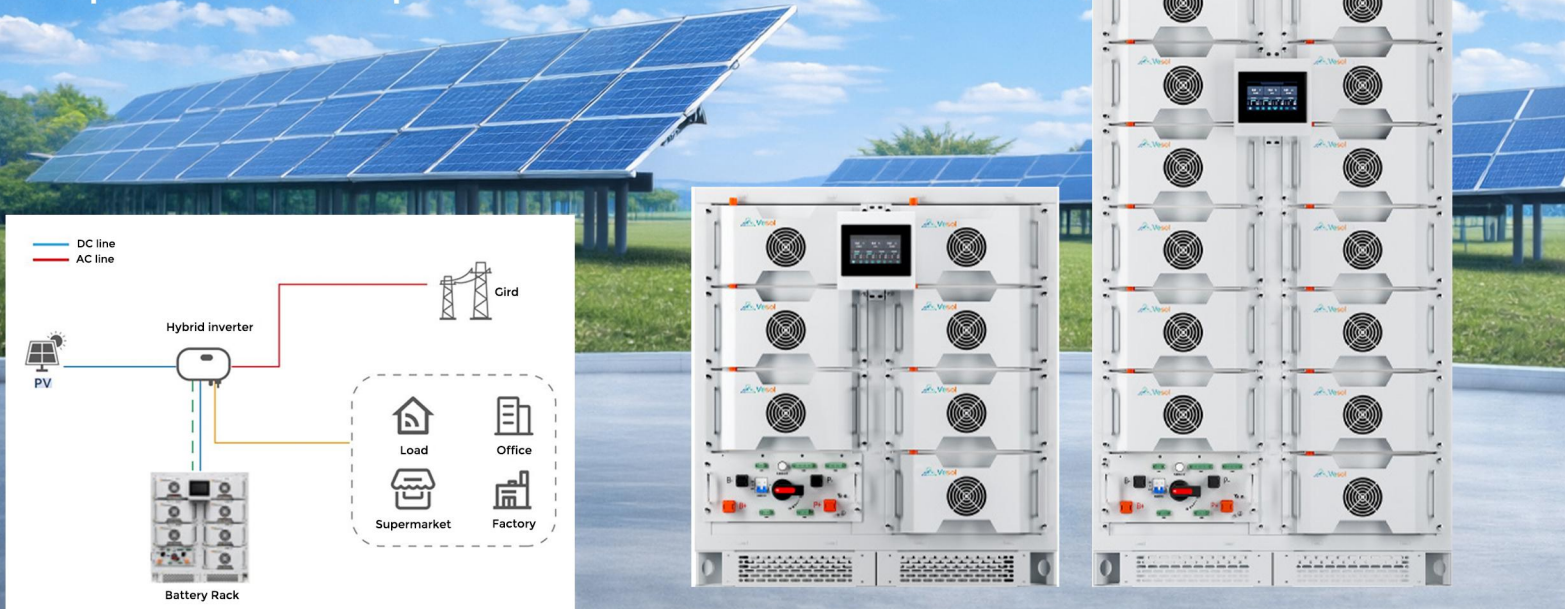
### ENVIRONMENTAL SPECIFICATIONS

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

# Indoor Rack Energy Storage Battery EnerFlex-2.0

Better heat dissipation  
Easy maintenance Dust-proof design

Up to 10 units in parallel



## PERFORMANCE 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+5years			
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			

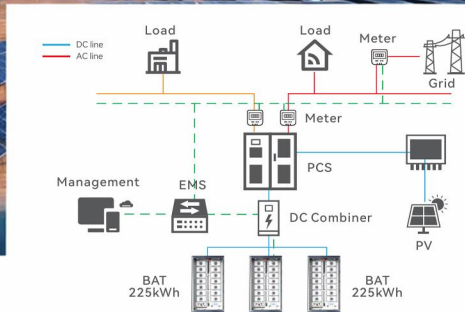
## SECURITY AND CERTIFICATION

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 ESS



## PERFORMANCE SPECIFICATIONS

Model	BS09-112-D-P	BS09-225-D
Battery Type	LiFePO <sub>4</sub>	
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	Max100%(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	1342kg	2534kg
<b>Module Parameters</b>		
Nominal Energy	16.076kWh	
Nominal Voltage	51.2V	
Warranty Period	5+5 years	
Cumulative Discharge Energy	180.7MWh	361.4MWh
<b>SECURITY AND CERTIFICATION</b>		
Safety(Pack)	UN38.3,MSDS,IEC62619(CB),CE-EMC	
Safety(Cell)	UN38.3,MSDS,IEC62619CE,UL1973,UL2054	
Protection	Fire protection system/temperature control system Short-circuit protection/over current protection/over-temperature protection	

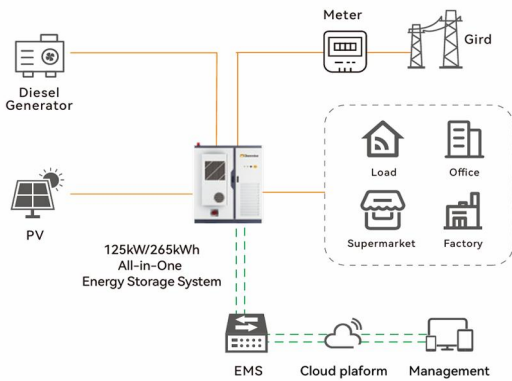
# Integrated PV-Storage -Genset Hybrid System



All in one system

## 125kW/265kWh

Up to 4 units in parallel



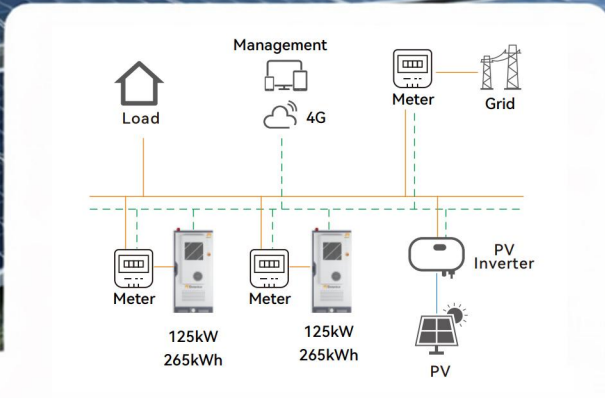
Model	BS07-265-ES-G
<b>BATTERY PARAMETERS</b>	
Battery Type /Configuration	LiFePO <sub>4</sub> /1P264S
Rated Battery Voltage	DC 884.8V
Battery Voltage Range	739.2~950.4V
Nominal Energy	265.26kWh
Usable Energy(kWh@90%DOD)	238.74kWh
Nominal Capacity	314Ah
Cycle Life	≥8000cycles(@25°C,0.5C,90%DOD,70%EOL)
Warranty Period /	5+5years
Cumulative Discharge Energy	426.0MWh
<b>PV input Parameters</b>	
Input Power	120kW
PV Open-circuit Voltage	DC 200~900V
MPPT Voltage Range	DC 200~900V
<b>AC (On Grid)</b>	
Rated Power	125kW
Output Voltage	230/400VAC
Grid Frequency	50/60Hz
Grid Connection Form	(3W+N+PE) Three-phase four-wire
THDI	< 2% (rated power)
<b>AC (off-grid)</b>	
Rated Power	125kW
Output Voltage	AC230/400V
Grid Frequency	50/60HZ
<b>Isolation Transformer Parameters</b>	
Voltage	AC400/400V
Capacity	150kVA
<b>Basic Parameters</b>	
Dimensions (W*D*H)	1758*1476*2135mm
Weight	3350kg
Operating Temperature Range(°C)	-30°C~55°C (>45°C derating)
IP Rating	IP54
Altitude	≤2000m
Cooling Method	Intelligent Air Cooling (Battery compartment air conditioning,electrical compartment fan)
Certifications	UN38.3,MSDSIEC62619(CB).IEC63056(CB),EC62040-1(CB),CE-EMC,JEC62477-1,EC60529

# -Genset Hybrid System

All in one system

125kW/265kWh






Up to 4 units in parallel



Model	BS07-265-ES-G
<b>BATTERY PARAMETERS</b>	
Battery Type /Configuration	LiFePO <sub>4</sub> /1P264S
Rated Battery Voltage	DC 884.8V
Battery Voltage Range	739.2~950.4V
Rated Battery Energy	265.267kWh
Max Charge/Discharge Rate	0.5C
Cycle Life	8000 times (@25°C,0.5C,90%DOD,70%EOL)
<b>AC (On Grid)</b>	
Rated Voltage	400V
Rated Voltage Range	±15%
Grid Frequency	50/60Hz
Grid Connection Form	(3W+N+PE) Three-phase four-wire
Rated Power	125kW
Maximum power	138kW
Maximum current	200A
power Factor	0.99/-1-1
THDI	<2% (rated power)
DC component	<0.5%
Overload capacity	110%
Maximum efficiency	99%
<b>Basic Parameters</b>	
Dimensions (W*D*H)	1095*1520*2395mm
Weight	2800kg
Operating Temperature Range(°C)	-30°C~55°C (>45°C derating)
IP Rating	IP54
Altitude	≤2000m
Cooling Method	Intelligent Air Cooling
Anti-corrosion Grade	C4(Optional C5)

# Smart Home Energy Storage Solutions

Reliable & Efficient Residential Energy Systems  
Clean energy . Lower bills . Reliable backup.

 Backup Power |  Solar Compatible |  Long Lifespan |  High Safety | 

## Reliable Energy Storage Solutions



# Commercial & Industrial Energy Storage Solutions

High-performance ESS for factories, buildings and large-scale applications  
Reduce energy costs, ensure power stability, and maximize energy efficiency with Vesol advanced storage systems.



Peak Shaving



Load Shifting



High Efficiency



Smart Monitoring



# GLOBAL PRESENCE



Vesol energy      

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