Focusing On Battery ESS
Rechargeable Lithium Battery Factory - Professional OEM/ODM

Tiktok
solarstorage

Facebook
Elfbulb Battery

Instagram
elfbulbpower

Website
elfbulbpower.com

Youtube
ELFBULB battery

ELFBULB
POWER YOUR LIFE

LITHIUM BATTERY

ENERGY STORAGE SOLUTION PROVIDER & MANUFACTURER

Address

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Factory Address: Chuangye 1st street, Ailingkan Village, Dalingshan Town, Dongguan city, Guangdong Province, China.

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YUYANG NEW ENERGY CO.,LTD.

ABOUT US

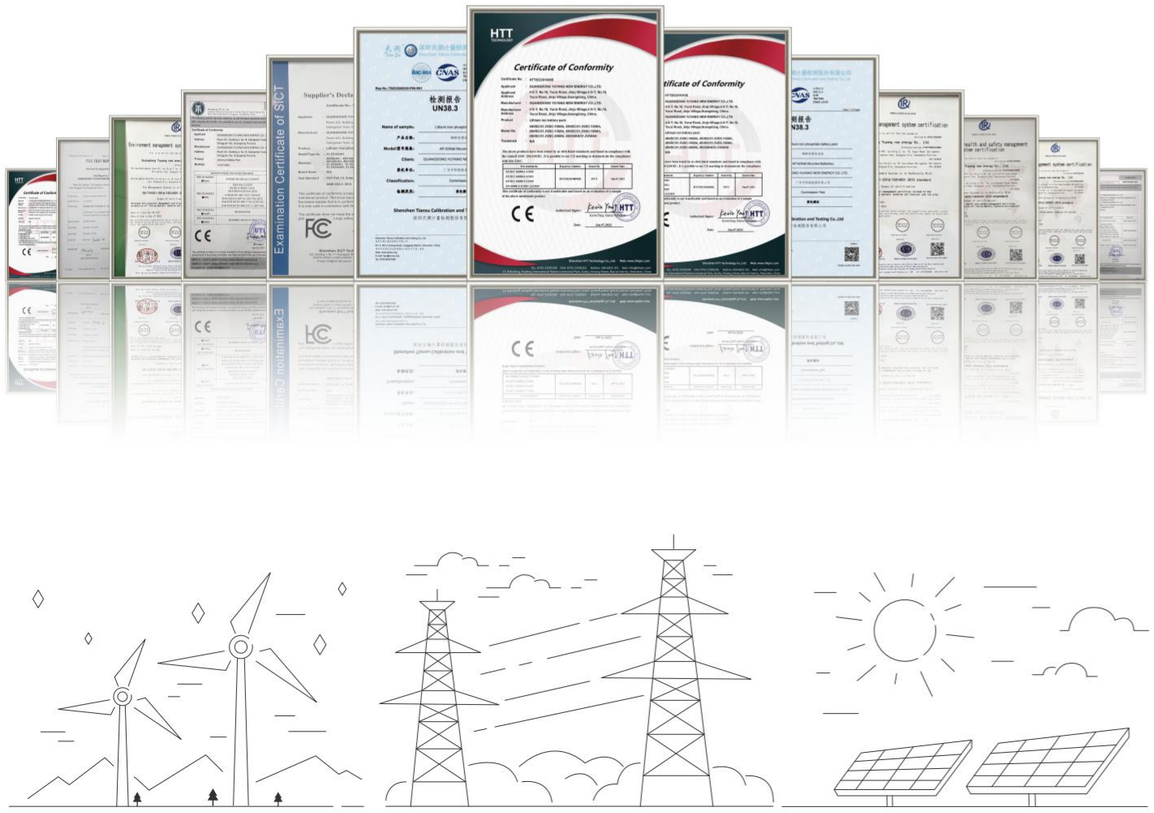
YUYANG NEW ENERGY / ELFBULB Power: Powering a Cleaner Future with Advanced Lithium Battery Solutions

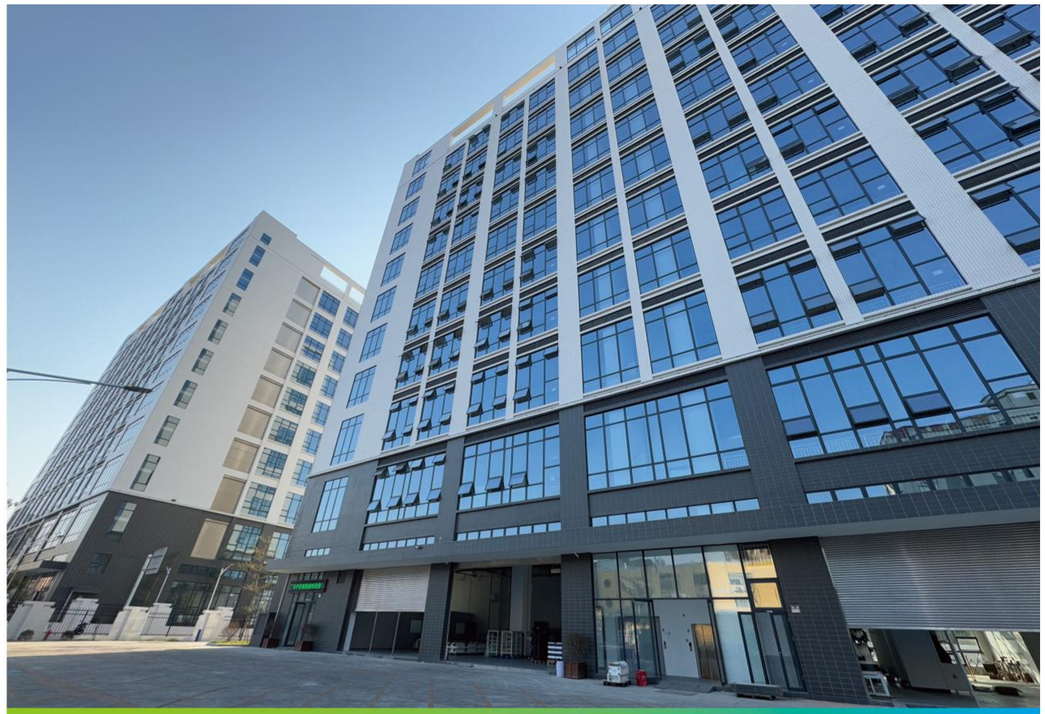
Founded in 2010, Yuyang has grown into a global leader in lithium battery innovation. From residential and commercial energy storage to large-scale BESS, EV powertrains, marine systems, and UPS solutions, we engineer high-performance batteries that redefine reliability across every application. Our flagship residential systems are already trusted in 160+ countries, a testament to their quality and durability.

In the commercial and industrial arena, Yuyang designs intelligent micro-grid and island-grid solutions that merge solar, storage, and backup generation—delivering clean, stable power to regions with weak or no grid infrastructure. Along the Belt and Road and beyond, our turnkey projects are live proof of our technical strength and execution excellence.

Whether electrifying heavy-duty trucks, fishing fleets, or golf courses, our experienced team delivers battery packs that are safe, scalable, and cost-optimized from day one.

We look forward to connecting with customers worldwide to create clean energy—providing the most suitable, most reliable solutions while saving you money.





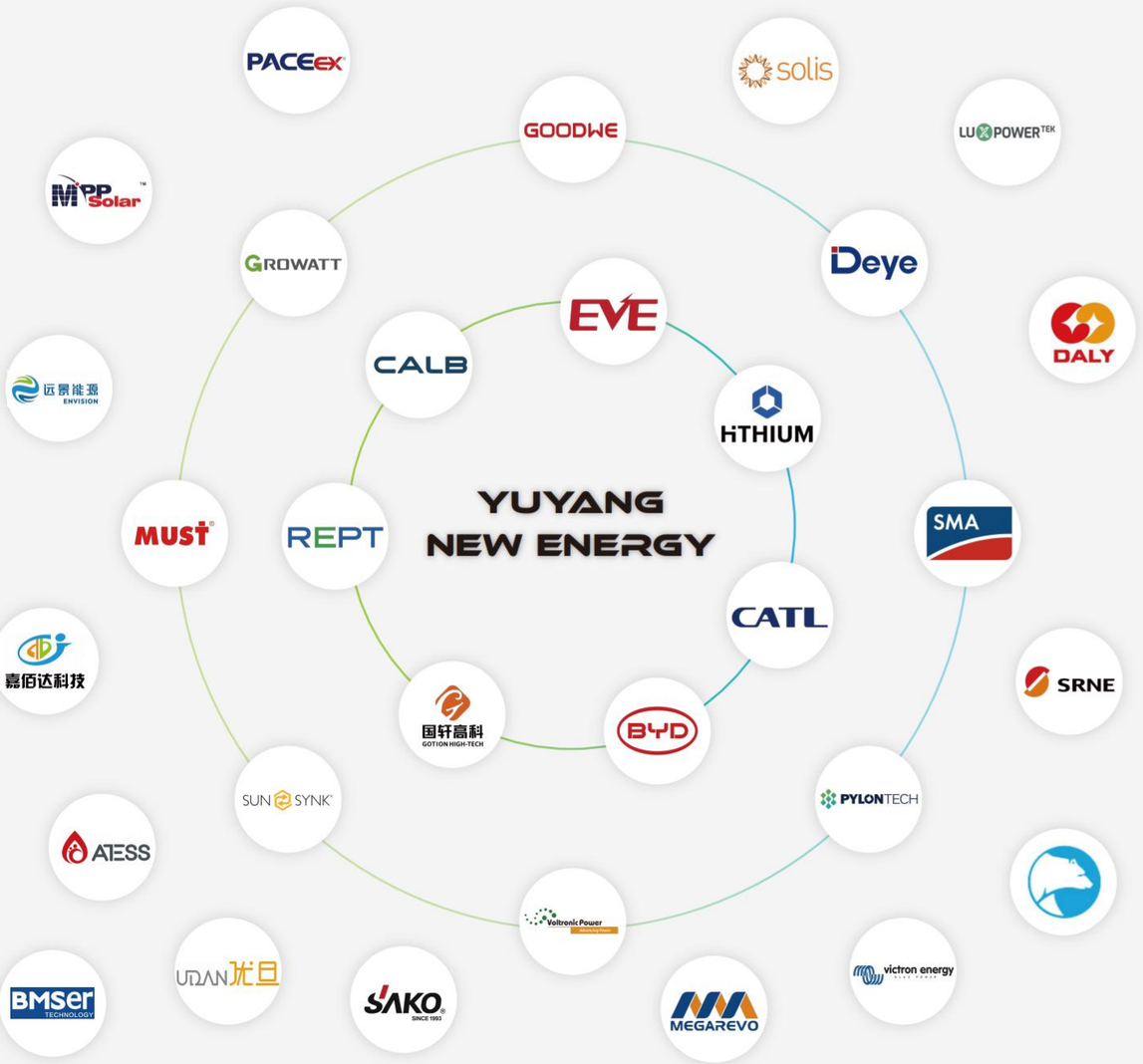
Dongguan Manufacturing Base

An experienced lithium battery factory, supports OEM/ODM, brand distributors, and agents.

Production Line & Aging Room

COOPERATIVE PARTNER

Inverter, BMS and Battery cell brands



RESIDENTIAL BATTERY ESS

P01~P16

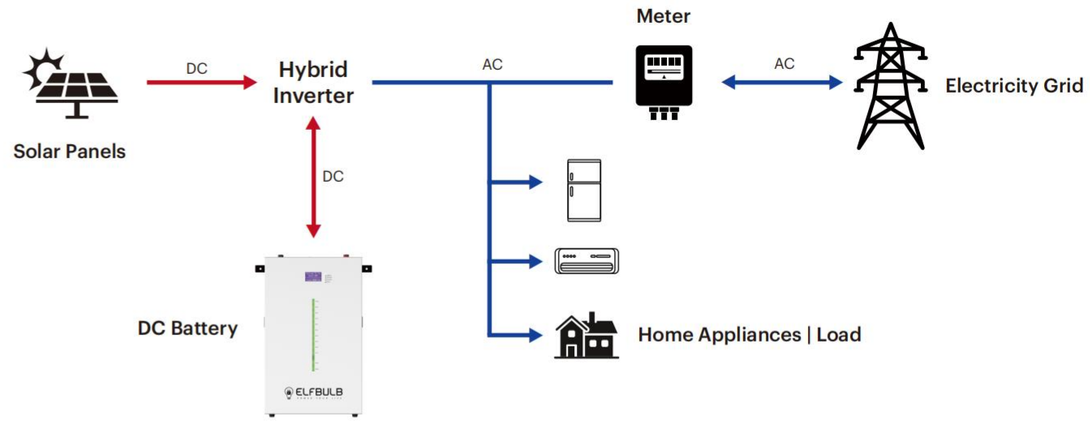
Standard ECO Model

Residential BESS

ELF-ECO-2.5KWH
ELF-ECO-05KWH
ELF-ECO-10KWH

Product Features

- ≥ 6000 Cycles at 80%DOD at 25℃
- High Quality Breaker
- LED String Light
- 1~15 Units in Parallel
- 5 Years Warranty
- Superior LiFePO4 Safety Performance
- Smart PACE 100A/200A BMS
- Compatible With Mainstream Inverters



Parameters of Standard ECO Model				
MODEL	25100	25200	51100	51200
Total Energy(kWh)	2.56	5.12	5.12	10.24
Rated Capacity(Ah)	100	200	100	200
Nominal Voltage(V)	25.6		51.2	
Float Voltage(V)	28		56	
Equalization Voltage(V)	28.8		57.6	
Discharge Cutting Voltage(V)	22.4		44.8	
MAX.Charge & Discharge Current(A)	100			200
Product Size(mm)	≈470*450*133	≈630*390*170	≈630*390*170	≈630*484*250
Net Weight(kg)	≈21	≈47.2	≈47	≈72
Scalable	1~15 in parallel			
Communication Ports	CAN,RS485,RS232			
Communicated Inverter	Goodwe/Victron/Sofar/Deye/Voltronic/Pylon /Luxpower/Afore/Must/Sako/Sorotec/Sma/Solis/Phocos/Kstar/ Mpp Solar/Growatt/Megarevo/Srne			
Charging Temp Range(℃)	0~55			
Disharging Temp Range(℃)	-10~55			
Cycle Lifes	≥6000 cycles @80%DOD at 25℃			
Warranty	5 years			
Certifications	CE,UN38.3,MSDS			
Function	Breaker, LED String Light, Button Screen			

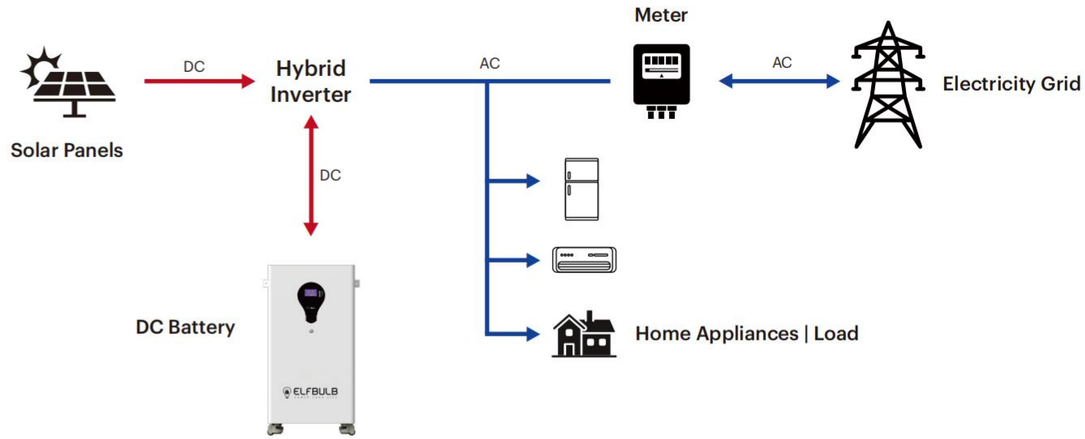
Standard PRO Model

Residential BESS

ELF-PRO-2.5KWH ELF-PRO-16KWH
ELF-PRO-05KWH ELF-PRO-20KWH
ELF-PRO-08KWH ELF-PRO-23KWH
ELF-PRO-10KWH

Product Features

- ◎ ≥ 6000 Cycles at 80%DOD at 25℃
- ◎ External Equalizer Interface
- ◎ 3.5 Inch Button Screen
- ◎ High Quality Breaker
- ◎ 5 Years Warranty
- ◎ 1~15 Units in Parallel
- ◎ Smart PACE BMS
- ◎ Superior LiFePO4 Safety Performance
- ◎ Floor-standed or Wall-mounted
- ◎ Compatible With Mainstream Inverters



Parameters of Standard PRO Model						
MODEL	25200	25314	51200	51314	51400	51460
Total Energy(kWh)	5.12	8.03	10.24	16.07	20.48	23.55
Rated Capacity(Ah)	200	314	200	314	400	460
Nominal Voltage(V)	25.6		51.2			
Float Voltage(V)	28		56			
Equalization Voltage(V)	28.8		57.6			
Discharge Cutting Voltage(V)	22.4		44.8			
MAX.Charge & Discharge Current(A)	120	150	200			
Product Size(mm)	≈630*420*195	≈570*465*258	≈700*250*430	≈850*465*258	≈920*298*590	≈920*298*590
Net Weight(kg)	≈51.9	≈65.1	≈92.5	≈130.1	≈171	≈182.5
Scalable	1~15 in parallel					
Communication Ports	CAN,RS485,RS232					
Communicated Inverter	Goodwe/Victron/Sofar/Deye/Voltronic/Pylon /Luxpower/Afore/Must/Sako/Sorotec/Sma /Solis/Phocos/Kstar/Mpp Solar/Growatt/Megarevo/Srne					
Charging Temp Range(℃)	0~55					
Disharging Temp Range(℃)	-10~55					
Cycle Lifes	≥6000 cycles @80%DOD at 25℃					
Warranty	5 years					
Certifications	CE,UN38.3,MSDS					
Function	Breaker, External Equalizer Interface, 3.5 Inch Button Screen					

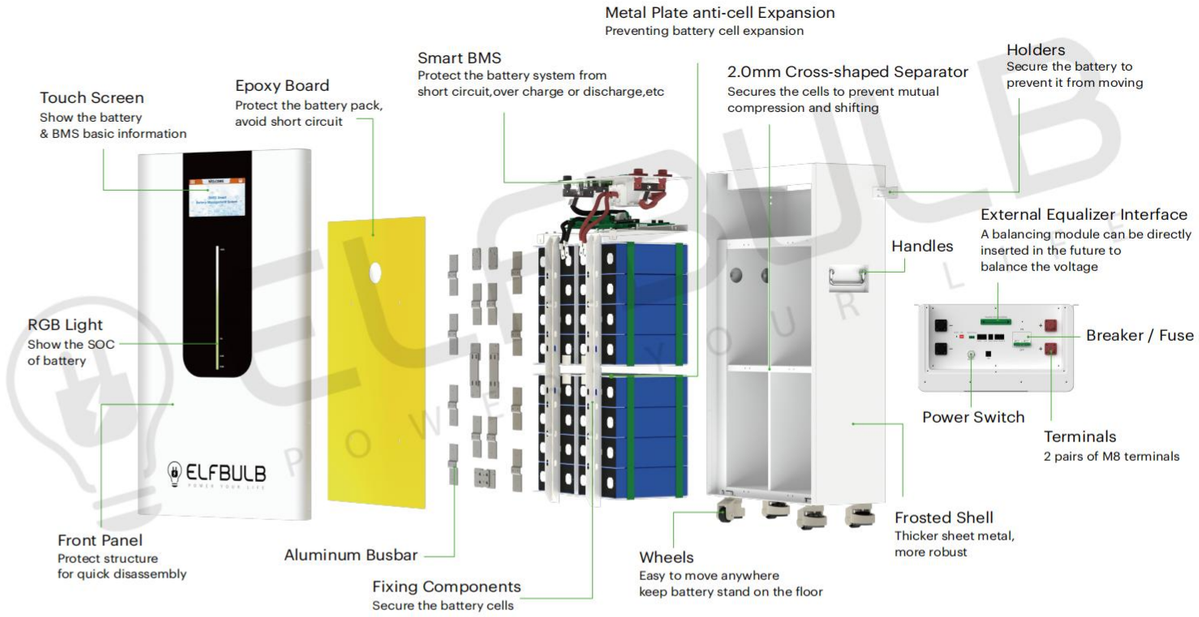
Standard MAX Model

Residential BESS

ELF-MAX-05KWH ELF-MAX-18KWH
ELF-MAX-10KWH ELF-MAX-20KWH
ELF-MAX-16KWH ELF-MAX-23KWH

Product Features

- ≥ 6000 Cycles at 80%DOD at 25℃
- 4.2 / 7 Inch Touch Screen
- 5 Years Warranty
- Smart PACE BMS
- Floor-standed With Wheels
- External Equalizer Interface
- High Quality Breaker
- 1~15 Units in Parallel
- Superior LiFePO4 Safety Performance
- Compatible With Mainstream Inverters



Parameters of Standard Max Model						
MODEL	51100	51200	51314	51360	51400	51460
Total Energy(kWh)	5.12	10.24	16.07	18.43	20.48	23.55
Rated Capacity(Ah)	100	200	314	360	400	460
Nominal Voltage(V)	51.2					
Float Voltage(V)	56					
Equalization Voltage(V)	57.6					
Discharge Cutting Voltage(V)	44.8					
MAX.Charge & Discharge Current(A)	100	200				
Product Size(mm)	≈693*430*180	≈905*504*195	≈880*478*268	≈530*430*1060	≈590*298*920	≈645*525*1075
Net Weight(kg)	≈52	100	≈133	≈151	≈171	≈186
Scalable	1~15 in parallel					
Communication Ports	CAN,RS485,RS232					
Communicated Inverter	Goodwe/Victron/Sofar/Deye/Voltronic/Pylon /Luxpower/Afore/Must/Sako/Sorotec/Sma /Solis/Phocos/Kstar/Mpp Solar/Growatt/Megarevo/Srne					
Charging Temp Range(℃)	0~55					
Disharging Temp Range(℃)	-10~55					
Cycle Lifes	≥6000 cycles @80%DOD at 25℃					
Warranty	5 years					
Certifications	CE,UN38.3,MSDS					
Function	Breaker, External Equalizer Interface, Touch Screen, LED String Light, With Arabic Language					

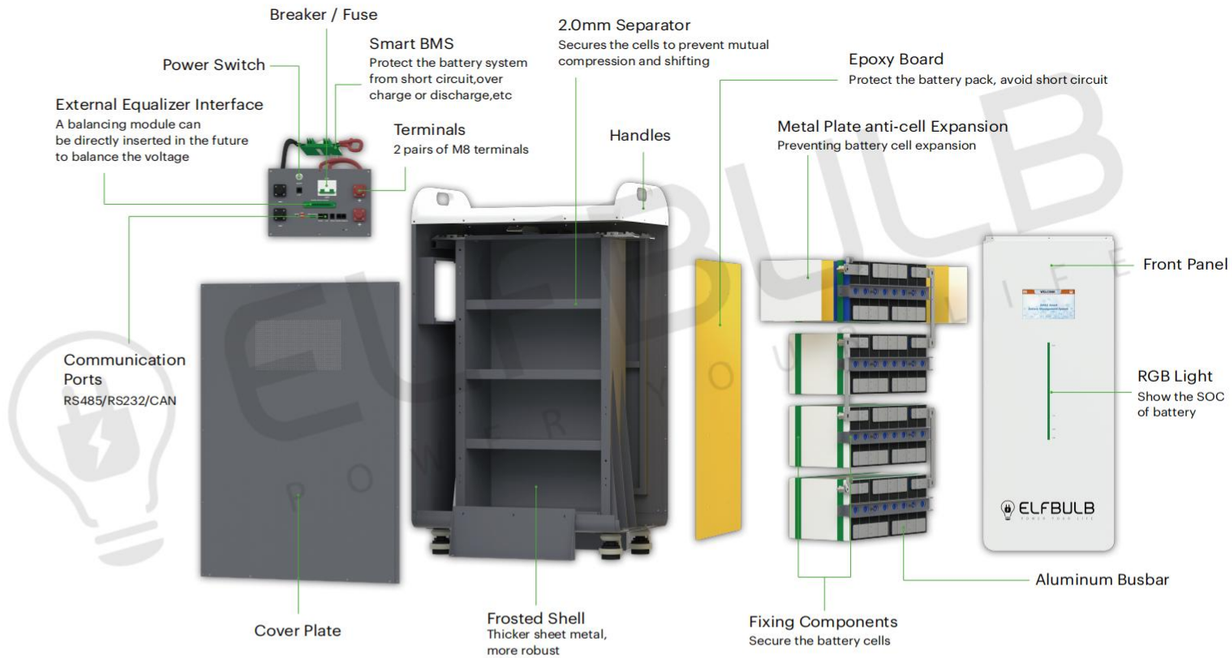
Standard MAX Model

Residential BESS

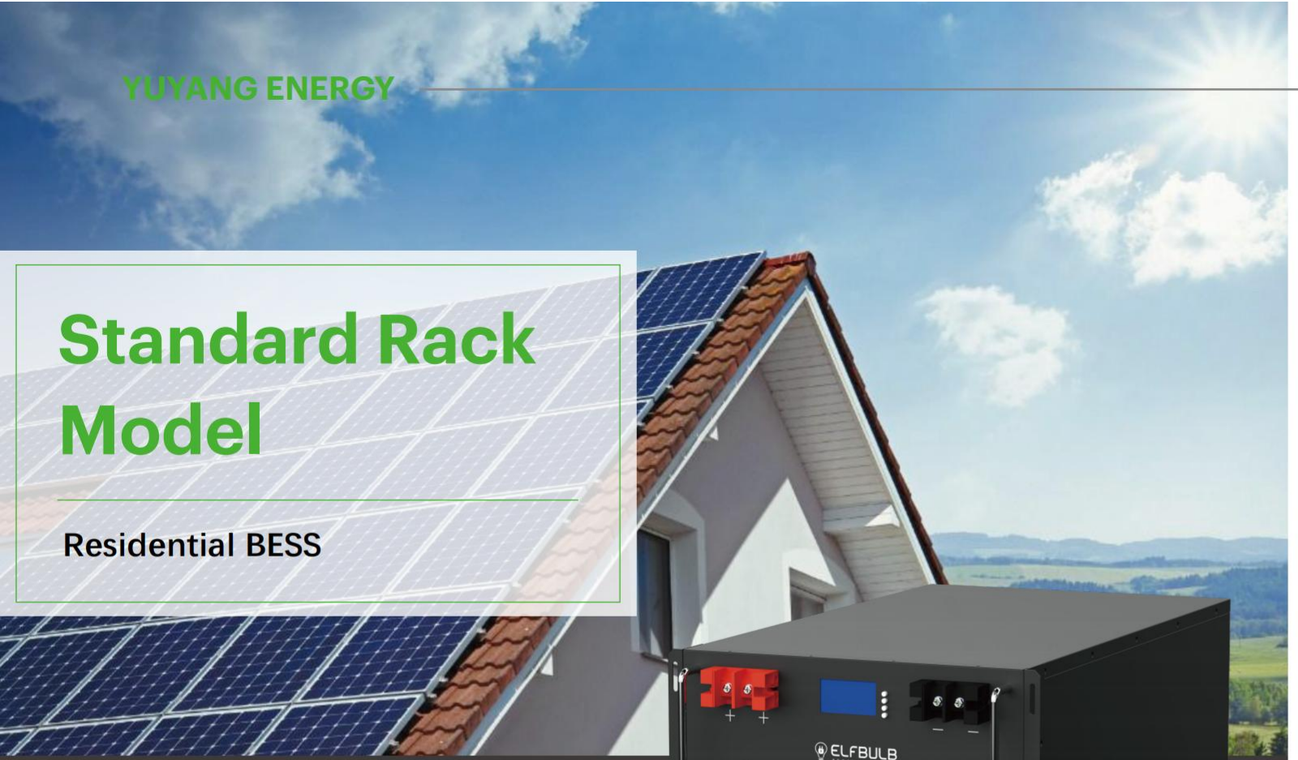
ELF-PMAX-16kWh
ELF-PMAX-18kWh
ELF-PMAX-20kWh
ELF-PMAX-23kWh
ELF-PMAX-32kWh

Product Features

- ≥ 6000 Cycles at 80%DOD at 25℃
- 7 Inch Touch Screen
- 5 Years Warranty
- Smart PACE BMS
- Floor-standed With Wheels
- External Equalizer Interface
- High Quality Breaker
- 1~15 Units in Parallel
- Superior LiFePO4 Safety Performance
- Compatible With Mainstream Inverters



Parameters of Standard PRO MAX Model					
MODEL	51314	51360	51400	51460	51628
Total Energy(kWh)	16.07	18.43	20.48	23.55	32.15
Rated Capacity(Ah)	314	360	400	460	628
Nominal Voltage(V)	51.2				
Float Voltage(V)	56				
Equalization Voltage(V)	57.6				
Discharge Cutting Voltage(V)	44.8				
MAX.Charge & Discharge Current(A)	200				300
Product Size(mm)	≈385*682*912	≈385*682*912	≈385*682*1030	≈385*682*1030	≈498*750*1102
Net Weight(kg)	≈160.5	≈170.5	≈196.01	≈206.1	≈278.5
Scalable	1~15 in parallel				
Communication Ports	CAN,RS485,RS232				
Communicated Inverter	Goodwe/Victron/Sofar/Deye/Voltronic/Pylon /Luxpower/Afore/Must/Sako/Sorotec/Sma /Solis/Phocos/Kstar/Mpp Solar/Growatt/Megarevo/Srne				
Charging Temp Range(℃)	0~55				
Disharging Temp Range(℃)	-10~55				
Cycle Lifes	≥6000 cycles @80%DOD at 25℃				
Warranty	5 years				
Certifications	CE,UN38.3,MSDS				
Function	Breaker, External Equalizer Interface, Touch Screen / Button Screen, LED String Light				



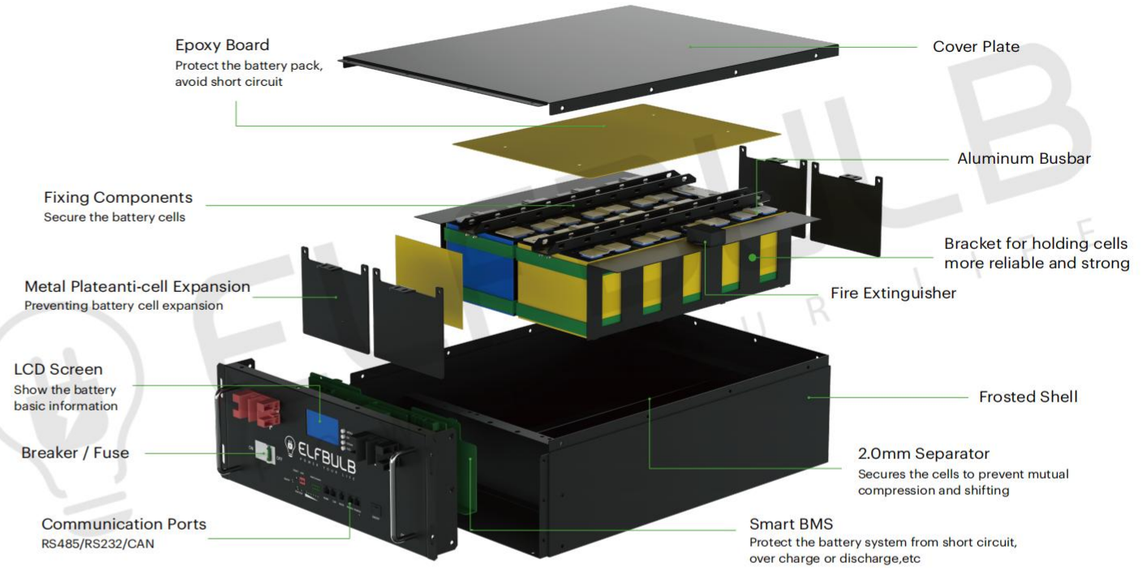
Standard Rack Model

Residential BESS

ELF-RM-2.5KWH ELF-RM-10KWH
ELF-RM-05KWH ELF-RM-15KWH

Product Features

- ◎ 5 Years Warranty
- ◎ Made By New Grade A Cells
- ◎ ≥ 6000 Cycles at 80%DOD at 25℃
- ◎ Intelligent PACE BMS
- ◎ Support Parallel Up to 15 Batteries
- ◎ Max Charging&Discharging Current 200A
- ◎ Screen For Real-Time Monitoring
- ◎ Communication: CAN / RS232 / RS485
- ◎ Certification: CE / UN38.3 / MSDS
- ◎ Anti-theft Function Optional



Parameters of Standard Rack-Mounted Model				
MODEL	25100	51100	51200	51300
Total Energy(kWh)	2.56	5.12	10.24	15.36
Rated Capacity(Ah)	100	100	200	300
Nominal Voltage(V)	25.6	51.2		
Float Voltage(V)	28	56		
Equalization Voltage(V)	28.8	57.6		
Discharge Cutting Voltage(V)	22.4	44.8		
MAX.Charge & Discharge Current(A)	100		200	
Product Size(mm)	≈470*450*133	≈490*484*170	≈490*484*250	≈795*482*245
Net Weight(kg)	≈21	≈43	≈72	≈112.5
Scalable	1-15 in parallel			
Communication Ports	CAN,RS485,RS232			
Communicated Inverter	Goodwe/Victron/Sofar/Deye/Voltronic/Pylon /Luxpower/Afore/Must/Sako/Sorotec/Sma /Solis/Phocos/Kstar/Mpp Solar/Growatt/Megarevo/Srne			
Charging Temp Range(℃)	0~55			
Disharging Temp Range(℃)	-10~55			
Cycle Lifes	≥6000 cycles @80%DOD at 25℃			
Warranty	5 years			
Certifications	CE,UN38.3,MSDS			
Function	Breaker, 3.5 inch button screen			

Standard All In One Model

Residential BESS

ELF-AL-5KWH
ELF-AL-10KWH
ELF-AL-15KWH

Product Features

- ◎ All-in-one Seamless Power
- ◎ Slim 150mm Profile Saves Space
- ◎ Plug & Play: Fast, Low-cost Install
- ◎ Intelligent Scheduling Optimizes Savings
- ◎ Touch Screen For Easy Control
- ◎ Scalable Capacity Via Modularity
- ◎ App Enables Remote WiFi Monitoring
- ◎ Communication: CAN / RS232 / RS485
- ◎ Certification: CE / UN38.3 / MSDS
- ◎ ≥ 6000 Cycles at 80%DOD at 25℃

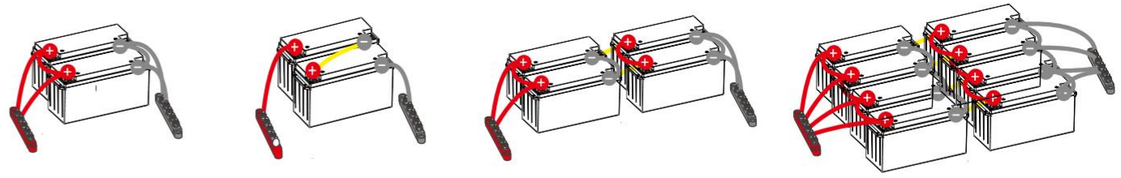
Parameters of Standard All In One Model			
Inverter Model		5KW DC48V	
Rated Output Power		5000W	
Output Voltage Waveform		Pure Sine Wave	
Output Voltage Regulation		230Vac+5%	
Output Frequency		60Hz or 50HZ	
Peak Efficiency		>93%	
Overload Protection		60S@102%~110% load;10s@110%~130% load;3s@130%~150 load;200ms@≥150% load	
Surge Capacity		2 x rated power for 5 seconds	
Nominal DC Input Voltage		48Vdc	
Cold start Voltage		46.0Vdc	
Low DC Warning Voltage		44.0Vdc	
Low DC Cut-off Voltage		42.0Vdc	
High DC Recovery Voltage		58Vdc	
High DC Cut-off Voltage		61Vdc	
Charge Mode Specifications			
Charging Current @ Nominal Input Voltage		5KW:1-80A	
Absorption voltage	AGM/FLD/LIB/CUS Battery	50vdc	
	Flooded battery	50vdc	
Floatingcharging voltage	AGM/FLD/LIB/CUS Battery	54.8Vdc	
	Flooded battery	54.8Vdc	
Bulk charging voltage(C.V voltage)	AGM/FLD/LIB/CUS Battery	57.6Vdc	
	Flooded battery	56.8Vdc	
Charging Algorithm		17-Step(Battery Type , AGM/FLD/LIB/CUS Battery)	
Solar Charging Mode			
Rated Power		5000W	
MPPT charger		60A	
Solar charging current		80A	
Max,PV Array Open Circuit Voltage		450Vdc max	
PV Array MPPT Voltage Range		120-430Vdc	
Min battery voltage for PV charge		34Vdc	
Standby Power Consumption		2W	
Line mode charger			
Charging current		60A 80A	
Line Voltage Range		90-280VAC(APP mode);170-280VAC(UPS mode)	
Battery Voltage Accuracy		+/-0.3%	
Voltage Accuracy		+/-2V	
Charging Algorithm		17-Step(Battery Type ,AGM/FLD/LIB/CUS Battery)	
Joint Utility and Solar charging		MPPT	
Max Charging Current		120A	
Default Charging Current		60A	
Battery Specifications			
Battery Model	51100	51200	51300
Total Energy	5.12kWh	10.24kWh	5.12kWh
Capacity	100Ah	200Ah	300Ah
Nominal Voltage	51.2V		
Float Voltage	56V		
Equalization Voltage	57.6V		
Discharge Cutting Voltage	44.8V		
MAX.Charge & Discharge Current	100A		
MAX C Rating	1C		
Dimension	740x588x195mm	1170x588x195mm	1600x588x195mm
Net Weight	65kg	115kg	165kg
Communication Ports	CAN,RS485,RS232		
Charging Temp Range	0-55 ℃		
Disharging Temp Range	-10-55 ℃		
Parallel	Support		
Cycle Lifes	≥6000 cycles @80%DOD @25℃		
Warranty	5 years		
Certifications	CE,UN38.3,MSDS		

12V 24V 48V LiFePO4 Model

Residential BESS

Product Features

- ◎ LED Screen Display
- ◎ CE / UN38.3 / MSDS Certified
- ◎ Bluetooth APP Control
- ◎ Series / Parallel Support
- ◎ Compact Handle Design
- ◎ Customizable Casing Colors
- ◎ Mini Size, Maximum Energy
- ◎ Low-Temp Self-Heating



2P | 2S | 2P2S | 4P4S (Max)

Parameters of Standard 12V Mini LiFePO4 Model							
MODEL	EBL-12-09	EBL-12-18	EBL-12-30	EBL-12-50	EBL-12-100	EBL-12-150	EBL-12-300
Cell	Lithium iron phosphate						
Nominal voltage	12.8V						
Nominal capacity	9Ah	18Ah	30Ah	50Ah	100Ah	150Ah	300Ah
Energy	115.2Wh	230Wh	384Wh	640Wh	1280Wh	1920Wh	3840Wh
Cycle life	≥6000 cycles @80%DOD @25℃						
Series parallel mode	4S1P		4S2P	4S1P			
Operating temperature	Charging O~+55 |Humidity 15%~75%|Storage 10~+50 (℃)						
Protection	Electronic circuit breaker,BMS voltage protection,current limiting						
Water dust resistance	IP65						
Net Weight(kg)	1.02	2	3.5	5.28	10.3	14.9	26.5
Size(mm)	151*94*65	180*168*74	231*145*211	231*145*211	339*185*218	483*170*240	502*186*243
Function	Bluetooth,LED Screen,Heating (optional)						

Parameters of Standard 24V Mini LiFePO4 Model				
MODEL	EBL-24-100	EBL-24-150	EBL-24-200	EBL-24-230
Cell	Lithium iron phosphate			
Nominal voltage	25.6V			
Nominal capacity	100Ah	150Ah	200Ah	250Ah
Energy	2560Wh	3840Wh	5120Wh	5888Wh
Cycle life	≥6000 cycles @80%DOD @25℃			
Series parallel mode	8S1P		8S2P	8S1P
Operating temperature	Charging O~+55 |Humidity 15%~75%|Storage 10~+50 (℃)			
Protection	Electronic circuit breaker,BMS voltage protection,current limiting			
Water dust resistance	IP65			
Net Weight(kg)	19.1	25.8	37.2	40
Size(mm)	502*186*243	502*186*243	523*269*218	520*269*220
Function	Bluetooth,LED Screen,Heating (optional)			

Protection rating description:
IP65: Without display screen, glued case
IP20: With display screen / power switch

COMMERCIAL & INDUSTRIAL BATTERY ESS / EV CHARGER

P17~P46

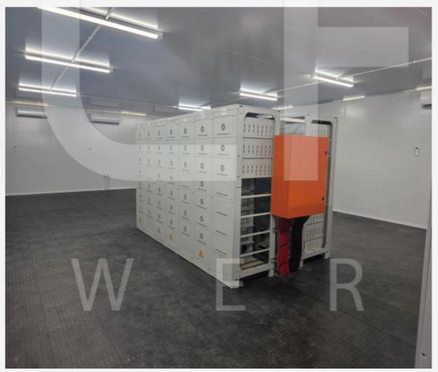












APPLICATIONS OF BATTERY ESS

1

UPS: Data Center, Hospital...

Uninterruptible Power Supply (UPS):
Provides instantaneous backup power to ensure data integrity and continuous system operation.

2

Charging Station PV-Storage-Charging

Peak Shaving/Arbitrage:
Stores electricity during low-price periods and supplies it during high-price or peak demand times.

7

Mining Area PV-Grid-Diese-Storage

Improve Power Quality:
Stabilizes power quality and balances the output of intermittent sources (like PV/diesel generators).

8

Chicken Farm PV-Storage Off-grid

Independent Power Supply:
Stores PV electricity to provide stable power during the night or when there is no sun for completely off-grid facilities.

3

Seafood Factory Wind-Storage

Wind Power Smoothing:
Stabilizes the fluctuating output of wind generation and provides reliable power to the factory.

4

Bakery Factory PV-Storage-Grid-Diesel

Reduce Electricity Costs:
Stores PV power or off-peak grid power to minimize costly grid purchases during peak hours.

9

Diesel Gen-Set + Storage Station

Optimize Fuel Efficiency:
Allows the DG to run at its most efficient load, with storage handling transient load changes, thus reducing fuel consumption.

10

Hotel / Apartment

Backup Power:
Ensures critical loads like lighting, elevators, and fire systems remain operational during a grid failure.

5

Small Factory PV-Storage-Diesel

Enhance Supply Reliability:
Acts as a backup power source alongside a diesel generator, reducing reliance on the grid.

6

Ice Making Plant PV-Grid-Storage

Energy Time-Shift:
Uses PV power or off-peak night-time electricity for cooling/storage, releasing the cooling capacity during daytime peak hours.

11

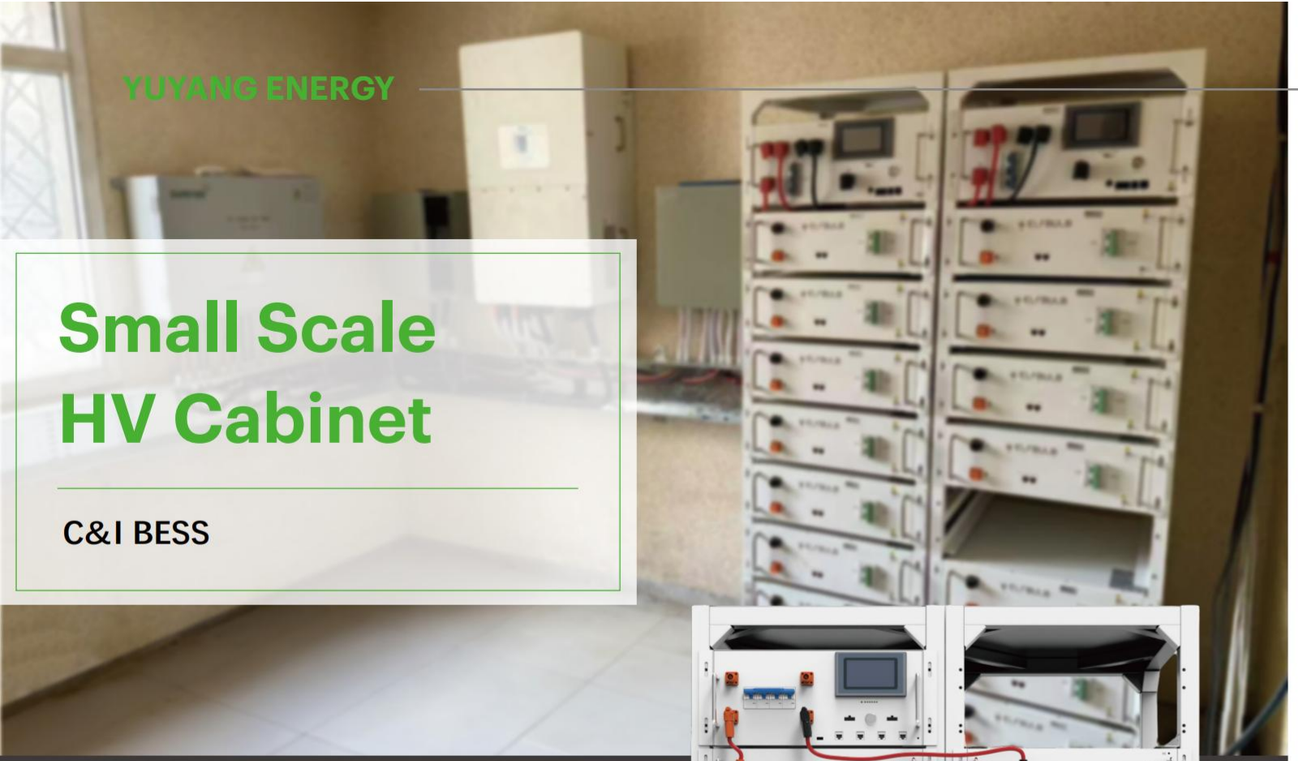
Weak Grid Mode

The charger rectifies unstable grid power into DC for storage, while the PCS operates independently to isolate fluctuations and ensure a stable load supply.

12

Extremely Cold Working Environments

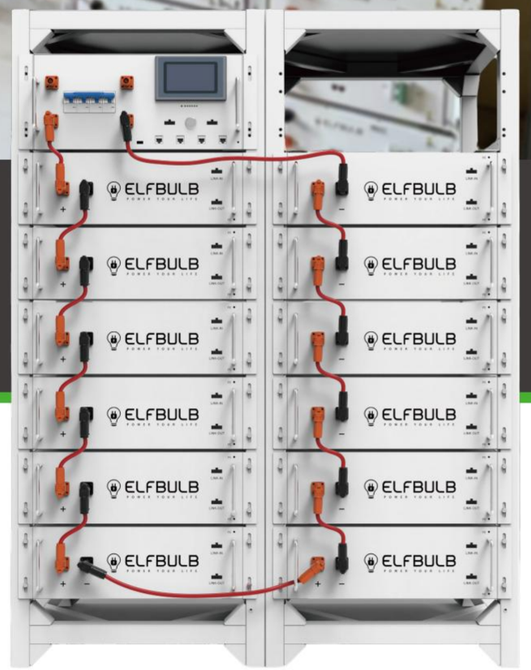
Overcoming the bottleneck of low-temperature charging and discharging, it supports operation in extreme climates ranging from -40℃ to -20℃.



Small Scale HV Cabinet

C&I BESS

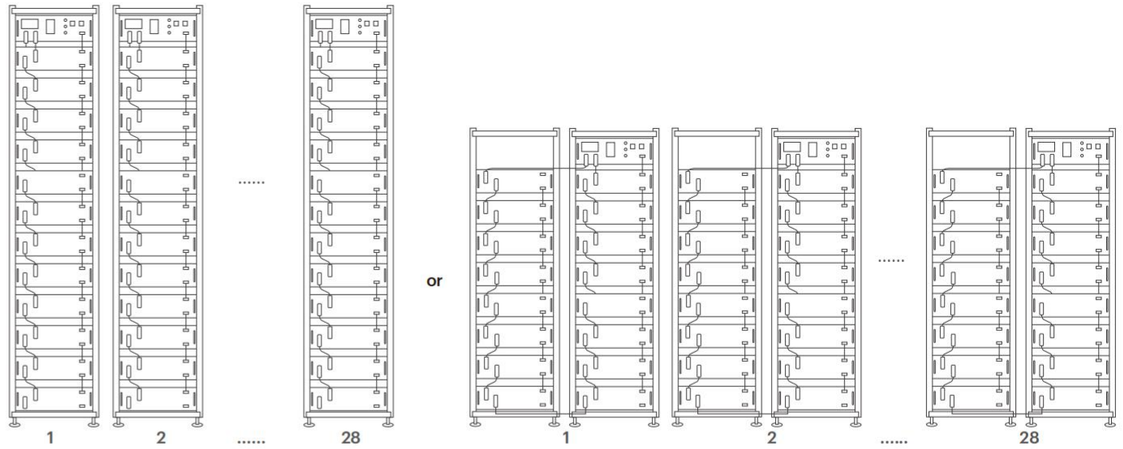
Indoor DC High Voltage
Lithium Ion Battery System



Deye ATESS solis MEGAREVO
SUN SYNK GOODWE SOFAR SOLAR
FOX ESS SRNE Felicitysolar®

Product Features

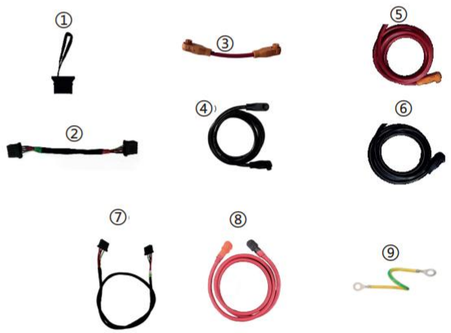
- ◎ 19-inch Plug & Play Design
- ◎ Scalable up to MWh, Capacity Expansion
- ◎ Smart BMS With Multi-Protection
- ◎ Wide Temperature Range
- ◎ High-Safety LiFePO4 Cells
- ◎ Non-toxic & Environmentally Friendly



Maximum support for 28 clusters of batteries in parallel

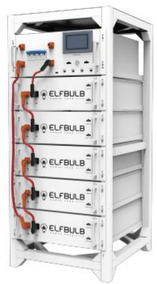
Operating Voltage	200~1000Vdc
Nominal Charge / Discharge Current	100A
DC Input Rating	12±2%V / 4.15A
Operating Temperature Range	-20~55(℃)
Ingress Protection	IP20
Dimension(WxDxH)	≈440*570*150mm
Weight Approximate	≈19kg

① Terminal resistance
② Communication cable
③ Power cable
④ Power cable
⑤ EP Cable 2.0 (Standard power cable connected to the positive pole of the external PCS)
⑥ EN Cable 2.0 (Standard power cable connected to the negative pole of the external PCS)
⑦ Communication cable between two battery racks
⑧ Power cable between the two battery racks
⑨ Ground wire



MODEL	51100
Nominal Voltage	51.2V
Rated Capacity	100Ah
Total Energy	5.12kWh
MAX.Charge & Discharge Current	100A
Charging Temp Range	Charge:0~55(℃)
Disharging Temp Range	Discharge:-20~55(℃)
Product Size(mm)	≈490*484*170mm
Net Weight(kg)	≈43kg

20.48kWh
HV DC Cabinet



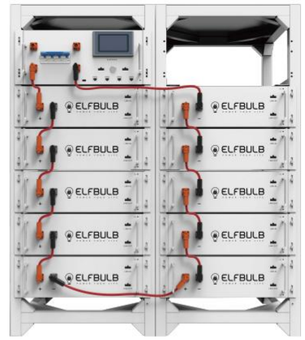
25.60kWh
HV DC Cabinet

30.72kWh
HV DC Cabinet

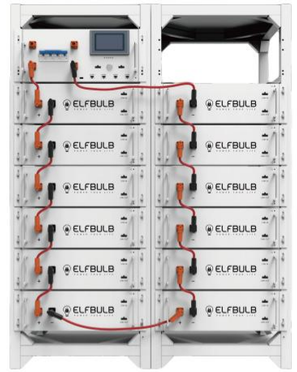
40.96kWh
HV DC Cabinet

Parameters of Standard Small Scale HV Cabinet Model					
Cell Chemistry		LiFePO4			
Module Energy(kWh)		5.12			
Module Nominal Voltage(V)		51.2			
Module Capacity(Ah)		100			
Battery Module Qty In Series(Optional)		4	5	6	8
System Nominal Voltage(V)		204.8	256	307.2	409.6
System Operating Voltage(V)		176~233.6	220~292	264~350.4	352~467.2
System Energy(kWh)		20.48	25.6	30.72	40.96
Charge/Discharge Current(A)	Recommend	50			
	Nominal	100			
	Peak Discharge(2mins 25℃)	125			
Working Temperature(℃)		Charge:0~55 / Discharge:-20~55			
Communication Port		CAN / RS485			
Humidity		5%~85%RH			
Altitude		≤3000m			
IP Rating of Enclosure		IP20			
Dimension(mm)		583*533*1066	583*533*1223	583*533*1380	583*533*1694
Installation Location		Rack Mounting			
Storage Temperature(℃)		0~35			
Recommend Depth of Discharge		90%			
Cycle Life		25±2℃，0.5C / 0.5C，EOL70% ≥6000			
Warranty		5 years			
Certification		CE / UN38.3 / MSDS			

51.20kWh
HV DC Cabinet



51.20kWh
HV DC Cabinet



61.44kWh
HV DC Cabinet

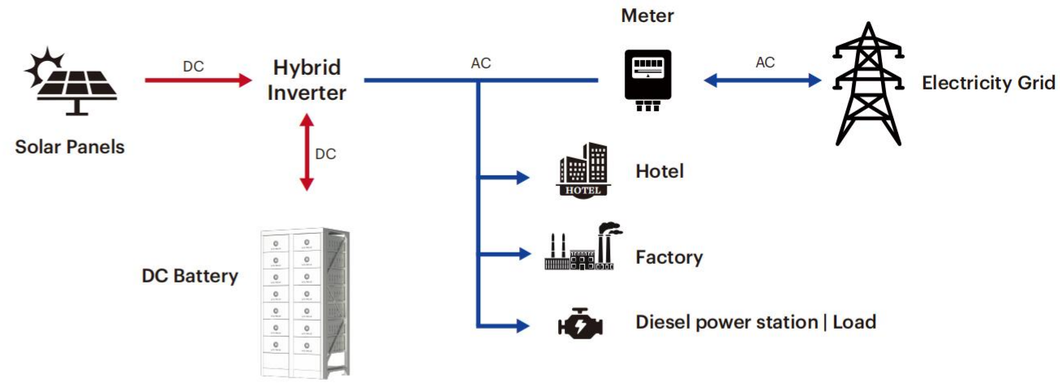
Parameters of Standard Small Scale HV Cabinet Model				
Cell Chemistry		LiFePO4		
Module Energy(kWh)		5.12		
Module Nominal Voltage(V)		51.2		
Module Capacity(Ah)		100		
Battery Module Qty In Series(Optional)		10	10	12
System Nominal Voltage(V)		512	512	614.4
System Operating Voltage(V)		440~548	440~548	528~700.8
System Energy(kWh)		51.2	51.2	61.44
Charge/Discharge Current(A)	Recommend	50		
	Nominal	100		
	Peak Discharge(2mins 25℃)	125		
Working Temperature(℃)		Charge:0~55 / Discharge:-20~55		
Communication Port		CAN / RS485		
Humidity		5%~85%RH		
Altitude		≤3000m		
IP Rating of Enclosure		IP20		
Dimension(mm)		583*533*2322	583*1067*1223	583*1067*1380
Installation Location		Rack Mounting		
Storage Temperature(℃)		0~35		
Recommend Depth of Discharge		90%		
Cycle Life		25±2℃，0.5C / 0.5C，EOL70% ≥6000		
Warranty		5 years		
Certification		CE / UN38.3 / MSDS		

DC High Voltage Cabinet System

C&I BESS

Ranging From 225kWh to 6.3MWh
High Voltage Battery System
With Advanced Module Balancing

Deye · ATESS · solis · MEGAREVO · SUN SYNK · GOODWE · SOFAR SOLAR · FOX ESS · SRNE · Felicitysolar®



Parameters of DC High Voltage Cabinet Model	
Battery Module Votage(V)	51.2
Battery Module Capacity(Ah)	314
Battery Module Energy(kwh)	16.076
Battery Cluster Voltage(V)	716.8
Battery Cluster Capacity(Ah)	314
Battery Cluster Energy(kwh)	225.075
Max Continuous Charge/Discharge current(A)	157
Max Charge/Discharge Current(A)(60 Seconds)	314
Battery Cell	Brand New Grade A Lithium Ion Phosphate Cells
Cycle life	>6000 times @80%DOD @0.5C @25℃
Dimension(mm)(w*h*d)	1036*2112*808
High Voltage Cabinet	√
Active Balancing	√
Parallel Connection	Up to 28 Cluster
System Capacity Range	225kWh to 6302kWh

1 To 28 Clusters Ensures Compatibility With Your Inverter Requirements	
1*Cluster	225.075kWh
2*Clusters	450.15kWh
3*Clusters	675.045kWh
4*Clusters	900.12kWh
.....	.....
13*Clusters	2925.975kWh
.....	.....
28*Clusters	6302.1kWh

Product Features

- ◎ Approximately 225kWh Per Cluster
- ◎ Ranging From 225kWh to 6.3MWh
- ◎ Expandable Up to 28 Clusters
- ◎ Independent Control Per Custer
- ◎ Hassle-Free With Active Balancing
- ◎ Modular Design Facilitates Easy Installation

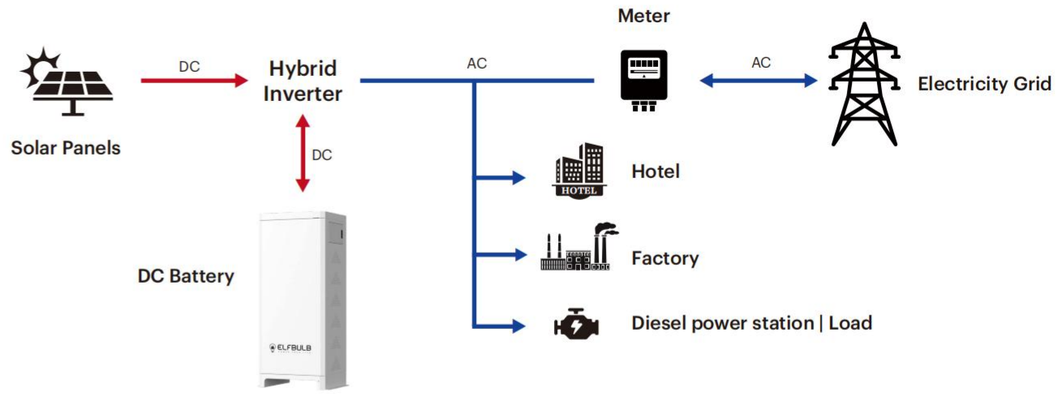
DC High Voltage Cabinet System

C&I BESS

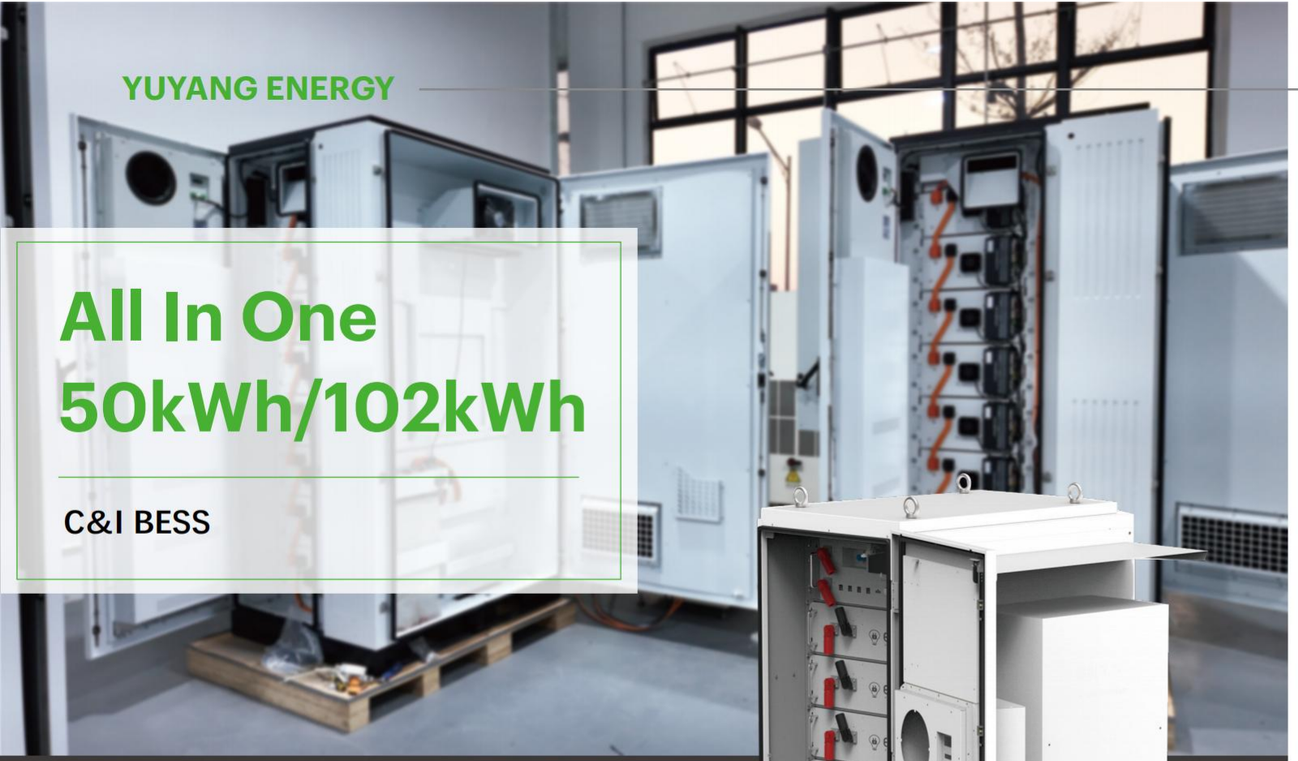
60kWh / 80kWh / 100kWh
Module Design

Product Features

- ◎ 60 / 80 / 100kWh Commercial Power
- ◎ High Continuous Power
- ◎ 6000+ Cycle Life @80%DOD at 25℃
- ◎ RS485 Plug & Play Integration
- ◎ High Voltage 614.4V Output
- ◎ Optimized Energy Efficiency



Parameters of HV 60-80-100kWh Cabinet Model			
Module parameters	HV-60	HV-80	HV-100
Module Nominal Voltage (V)	51.2V		
Module Nominal Capacity(Ah)	100Ah	206Ah	
Module Nominal Power(kWh)	5.12KWH	10.547KWH	
Dimensions(mm) Assebled	W328*H137*D502	W356*H234*D510	W356*H234*D510
Weight(Kg)	66.8Kg	134Kg	134Kg
Discharge Cut-Off Voltage(V)	2.8V		
Charge Voltage(Bulk+Absorption)(V)	3.6V		
Max Continiuous Discharge Current(A)	50A	103A	
Max Discharge Current(60 Seconds)	50A	103A	
Max Continuous Charge Current (A)	50A	103A	
Maxcharge Current(A)(60 Seconds)	50A	103A	
Communication Interface	RS485		
Configuration	16S		
Operating Temperature	0-55℃		
Cell Chemistry	Lithium Iron Phosphate(LiFePO4)		
Cycle Life	＞6000 Cycles @80%DOD @25℃		
System parameters			
Nominal Voltage (V)	614.4V	409.6V	512V
Nominal Capacity(Ah)	100Ah	206Ah	206Ah
Energy Power	61.44KWh	84.377KWh	105.472KWh
Number Of Modules	12	8	10
Dimensions(mm)	W710*D566*H1700	W766*D566*H1450	W766*D566*H1700
Net Weight	1030Kg	1300Kg	1600Kg



All In One 50kWh/102kWh

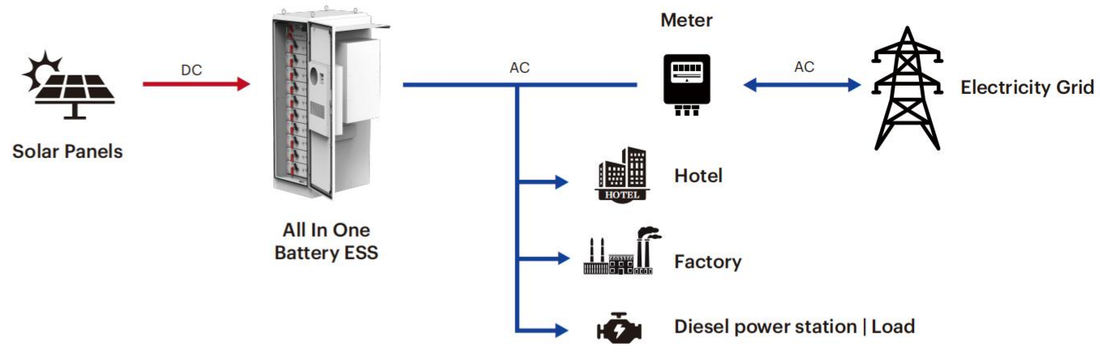
C&I BESS

Outdoor Air Cooling BESS
25kW-50kWh
50kW-102kWh

Deye solis

Product Features

- ◎ 25kW / 50kW Peak Power
- ◎ 50kWh / 102kWh Large Capacity
- ◎ Advanced BMS
- ◎ Modular & Flexible Design
- ◎ Optimal Charge / Discharge Cycles
- ◎ Robust Construction & Reliable
- ◎ Remote Monitoring & Management
- ◎ Air Conditioning: 2kW Cooling / 1kW Heating



Parameters of 25kW-50kWh / 50kW-102kWh All in One Cabinet Model		
	50kW-102kWh	25kW-50kWh
Rating Voltage	512V	
Capacity	200Ah	100Ah
Minimum Capacity	≥200Ah	≥100Ah
Communication Mode	RS485、CAN	
Charge Voltage	584V	
Charge Current	≤200A	≤100A
Impedance	≤180mΩ (Max)	
Charging Mode	CC/CV	
Charging Method	Standard Charging 0.2C	
	Fast Charging 0.5C	
Charging Time	About 6 Hours Standard charging	
	About 3 Hours Fast charging	
Overcharge Voltage	3.65V /Cel	
Rated Discharge Current	≤200A	≤100A
Over Current	220A	120A
Short Circuit	Recover after removing the short circuit load	
Operating Consumption Current	50mA (Max)	
Operating Temperature	+10 ~ +45℃	
	-20 ~ +60℃	
Storage Temperature	-20 ~ +50℃	
Cycle Life	6000 cycle	
Dimension of Cabine(mm)	956*650*2049	790*650*2049
Dimension of Single Battery Module(mm)	750*492(532)*150	570*440(482)*150
Dimension of HV Box(mm)	490*442(482)*222	490*442(482)*222
Weight (Kg)	>1268kg	>774kg
Shipped Product Charge	50%-60% battery volume delivery	
Package Material	Carton + wooden fumigation tray	

All In One 161kWh Cabinet

C&I BESS

Outdoor Air Cooling BESS
Built-in Deye / Solis Inverter
50KW / 80KW

Deye solis

Product Features

- ◎ 50kW / 80kW Rated Output
- ◎ 161kWh Rated Energy
- ◎ Wide Operating Temperature
- ◎ IP54 Protection & C4 / C5 Anti-corrosion
- ◎ Industrial Air Conditioner Cooling
- ◎ Level 2 Fire Protection
- ◎ Safe LiFePO4 Battery Core
- ◎ Smart Connectivity (CAN / RS485 / RS232)

Parameters of 50kW 161kWh All in One Cabinet Model	
PV Parameters	
Max Pv Power	65KW
MPPT QTY	4
Max Pv Current	55*4
Max Pv VOC	1000V
MPPT Operating Power	150-850V
DC Parameters	
Battery Cell Capacity	64V314AH(20S1P)
Material	LiFePO4
Cycle Life	≥6000 cycles @80%DOD @25℃
Battery Pack Configuration	160S1P
DC Working Voltage Range	480-576V
Rated Voltage	512V
Rated Energy	160.76kWh
Charging & Discharge Rate	0.5C
AC Parameters	
Rated Output Power	50KW
Max Output Power	55KW
Max AC Charge Power	55KW
Rated On-Grid Voltage	400AC
Output Voltage Frequency	50/60Hz; 3L/N/PE 220/380, 230/400Vac
Grid Connection	Three phase
System Parameters	
Size (W*D*H)	≈1180*1020*2274
Net Weight	≈1800KG
Protection Grade	IP54
Anticorrosion Grade	C3(Optional upgrade to C4/C5)
Working Temperature	-20°C ~+55°C
Working Humidity	0-95% No Condensation
Working Altitude	<3000m
Cooling Method	Industrial Grade Air Conditioner
Noise Emission	Standby <50 (dB), Operating <70 (dB)
Communication Parameters	
Communication Port	CAN/ RS485 /232
Communication Protocol	BMS(Modbus Rtu)
Certification	IEC 61727,IEC 62116,CEI 0-21,EN 50549,NRS 097,RD 140, UNE 217002,OVE-Richtlinie R25,G99,VDE-AR-N 4105

All In One 60kW-113kWh

C&I BESS

Outdoor Air Cooling BESS
Built-in PCS MPPT

Product Features

- ◎ 60kW Rated Output
- ◎ 100kWh Rated Energy
- ◎ Wide Operating Temperature
- ◎ IP54 Protection & C4 / C5 Anti-corrosion
- ◎ Industrial Air Conditioner Cooling
- ◎ 480-576V DC Operating Voltage
- ◎ Safe LiFePO4 Battery Core
- ◎ Smart Connectivity (CAN / RS485 / RS232)

Parameters of 60kW 113kWh All in One Cabinet Model	
General Data	
Dimension(W*H*D)	1165*1246*2250mm
Weight	≈1200 Kg
Working Temperature Range (℃)	-20~60
Protection Class	IP54
Altitude	2000
Humidity	0~95%
Fire Extinguishing	Aerogel
Air Conditioner	5KW for cooling / 3KW for heating
Anti-Corrosion	C3 (Optional upgrade to C5)
Authentication level	CE/UN38.3/MSDS
Battery Data	
Battery Type	Li-ion (LFP)
Nominal Capacity (kWh)	100.352KWh
Battery Item	Elfcube
Battery Module Qty.	51.2V314Ah 16.076KWh 16S1P * 7 Battery Pack
DC Voltage Range(V)	313.6~408.8
Max. Operation Current (A)	157
Efficiency	0.95
PCS DC/AC Data On-grid Mode	
Rated AC Power (KW)	60 (expandable to 7*60)
Rated AC Output Voltage(V)	400
Rated AC Output Frequency (Hz)	50/60
Max. AC Current(A)	90
Overload Capacity	110%@30S
AC PF	0.8（leading）~0.8（lagging）
THDi	≤3%
Isolation Type	Non-isolation
Peak Efficiency	0.985
Unbalanced capacity	1
PCS DC/AC Data Off-grid Mode	
Output voltage accuracy	≤1%
Unbalanced capacity	1
Voltage harmonic distortion	＜2% @line load
Overload capacity	≤150%
PV DC/DC Data Parameter	
Rated Power(kW)	60 (expandable to 7*60)
PV Input Voltage(Vdc)	200 – 850
Max. current(A)	64
Max. Efficiency(%)	0.985
Operation Mode	
On/off-grid Switch	STS module, switching time<20ms
EMS	Self-Consumption; Micro-grid control; Demand response; Remote Control; Time of use;
Communication Type	Modbus TCP/IP
Screen	10 inch LCD Touch Panel

All In One 241/261kWh

C&I BESS

Outdoor Air Cooling BESS
Built-in PCS
STS MPPT(Optional)

Product Features

- ◎ C&I Cost Reduction
- ◎ Outdoor Usability
- ◎ Modular & Easy Expansion
- ◎ Optional MPPT / STS
- ◎ Flexible PCS Power Options
- ◎ Seamless On / Off-Grid Switching
- ◎ Multiple Rated Capacities
- ◎ Emergency Backup Power

Parameters of Air Cooling All in One Cabinet Model				
Model	100KW-241KWH	100KW-261KWH	125KW-241KWH	125KW-261KWH
DC（Battery）				
Cells Type	LiFePO4 Lithium Iron Phosphate			
Cell specfication	3.2V314Ah			
Configuration of Battery	240S1P	260S1P	240S1P	260S1P
Single Battery Pack	64V314Ah 20.096kWh			
Battery Module	12 Packs	13 Packs	12 Packs	13 Packs
Battery Capacity	241kWh	261kWh	241kWh	261kWh
Max. Power	100KW		125KW	
Max. Current	157A			
Battery Rated Voltage	768V		832V	
Battery Voltage Range	672V-864V		728V-936V	
AC（On / Off Grid）				
Max. Power(kVA)	110KVA		137KVA	
Active Power(kW)	100KW		125KW	
Rated Voltage(V)	400V		400V	
Rated Current(A)	144A		180A	
Voltage Range	320V-460V			
Rated Frequency	50/60Hz			
Range of Frequency	45-55/55-65Hz			
THDI	<3%			
Power factor	1.0(Adjustable from 0.8 leading to 0.8 lagging)			
AC System	3 phase 4 wires			
Overload capability	1.1			
Solar Side（PV）				
Max. Power	100KW(50KW*2)		120KW(60KW*2)	
High Volage side Voltage	560V-1000V			
High Voltage side Current	160A			
Low Voltage side Voltage	500V-900V			
Low Voltage side Voltage	200A			
Uninterrupted Load(STS) Optional				
STS Power	200KW			
STS Voltage	400V 50HZ/60HZ			
Overload Power	1.1			
Shift Time	<20mS			
System Operation Strategy				
Functional	Anti Backflow and Black Start			
Operation Mode Selections	Power peak shaving and valley filling, electricity price peak valley arbitrage,photovoltaic priority for electricity cost savings, wind power generationpriority for electricity cost savings, off grid power supply for remote areas			
Scenerios	Photovaltaic and diesel storage project, Wind power and diesel storage project, Wind and photovoltaicdiesel storage project,Charging Station + Energy storage project, On-grid electricity selling project			
Specificaiton				
Cabinet Size (W*D*H)	≈1696*1408*2055mm			
Weight	≤2.7T			
Max. cycle efficiency	≥90%			
IP rating	IP55			
Auxiliary Power Supply	Self-powered, Externally powered			
Corrosion resistance rating	C3/C5			
Operating Humidity Range	0%-100%(Non-condensing)			
Operating Temperature	-30℃-50℃(>45℃ derating)			
Max. Operation Altitude	2000m			
Communication	Ethernet、485、CAN			
Communication Protocal	ModbusTCP			
Cooling method	Intelligent Air Cooling			
Fire safety configuration	Smoke detector, Heat detector, Gas-based fire extinguishing system,Pressure relief valve, Pack-level fire protection,Cluster-level fire protection,Water-based fire protection, Automoatic pressure relief			

All In One 125kW 261kWh

C&I BESS

Built-in ENJOY 125kW PCS
Suitable for European Market
Support Unlimited Parallel Operation

Product Features

- ◎ Unlimited Parallel Scaling
- ◎ EU Standard Compliance
- ◎ High-Power ENJOY PCS: 125kW
- ◎ Grid-Tied Operation
- ◎ 24/7 Uninterrupted Power
- ◎ C&I Cost Optimization
- ◎ Real-time Remote Control
- ◎ Long Life Span

Parameters of 125kW 261kWh Liquid Cooling Cabinet Model	
System Parameters	
Parameter	Specification
Nominal Capacity	314Ah @ 0.5C, 25°C
Nominal Energy	261 kWh
Nominal Voltage	832 V
Operating Voltage Range	728 V ~ 949 V
Max. Continuous C-Rate	0.5C @ 25°C
Cycle Life	≥8,000 cycles
Dimension	1450±3*930±3*2300±3 mm
Net Weight	2.35±0.1T
Battery Pack Characteristics	
Parameter	Specification
Configuration	1P52S
Nominal Capacity	314Ah @ 0.5C, 25°C
Nominal Voltage	166.4 V (52 cells)
Operating Voltage Range	145.6 V ~ 189.8 V
Max. Continuous Charge	0.5C @ 25°C
Max. Continuous Discharge	0.5C @ 25°C
Nominal Weight	350 kg ± 3 kg
Nominal Energy	52.25 kWh
Insulation Standard	>1 GΩ @ 1,000 V DC
Withstand Voltage	3,110 V DC (no breakdown/flashover)
Max. Cell Charge Voltage	3.65 V
Min. Cell Discharge Voltage	2.5 V
Peak Discharge Current	200 A for 85 s
Peak Charge Current	200 A for 85 s
Charge High-Temp Protection	≥45°C (cell temperature)
Discharge High-Temp Protection	≥50°C (cell temperature)
Charge Low-Temp Protection	≤0°C (cell temperature)
Discharge Low-Temp Protection	≤-20°C (cell temperature)
Cycle Life	≥8,000 cycles
Operating Environment	Indoor, dry, constant temperature
Waterproof Rating	IP56
Operating Temperature	Charge: 0°C ~ 45°C
Discharge	-20°C ~ 50°C
Storage Temperature	-30°C ~ 45°C
Storage Humidity	5% RH ~ 95% RH
Operating Humidity	≤85% RH
Operating Altitude	≤2,000 m

All In One ESS 241/26kWh

C&I BESS

Outdoor Liquid Cooling BESS
Built-in PCS
STS MPPT(Optional)

Product Features

- ◎ C&I Cost Reduction
- ◎ Outdoor Usability
- ◎ Modular & Easy Expansion
- ◎ Optional MPPT / STS
- ◎ Flexible PCS Power Options
- ◎ Seamless On / Off-Grid Switching
- ◎ Multiple Rated Capacities
- ◎ Emergency Backup Power

Parameters of Air Cooling All in One Cabinet Model				
Model	100KW-241KWH	100KW-261KWH	125KW-241KWH	125KW-261KWH
DC（Battery）				
Cells Type	LiFePO4 Lithium Iron Phosphate			
Cell specfication	3.2V314Ah			
Configuration of Battery	240S1P	260S1P	240S1P	260S1P
Single Battery Pack	64V314Ah 20.096kWh			
Battery Module	12 Packs	13 Packs	12 Packs	13 Packs
Battery Capacity	241kWh	261kWh	241kWh	261kWh
Max. Power	100KW		125KW	
Max. Current	157A			
Battery Rated Voltage	768V		832V	
Battery Voltage Range	672V-864V		728V-936V	
AC（On / Off Grid）				
Max. Power(kVA)	110KVA		137KVA	
Active Power(kW)	100KW		125KW	
Rated Voltage(V)	400V		400V	
Rated Current(A)	144A		180A	
Voltage Range	320V-460V			
Rated Frequency	50/60Hz			
Range of Frequency	45-55/55-65Hz			
THDI	<3%			
Power factor	1.0(Adjustable from 0.8 leading to 0.8 lagging)			
AC System	3 phase 4 wires			
Overload capability	1.1			
Solar Side（PV）				
Max. Power	100KW(50KW*2)		120KW(60KW*2)	
High Volage side Voltage	560V-1000V			
High Voltage side Current	160A			
Low Voltage side Voltage	500V-900V			
Low Voltage side Voltage	200A			
Uninterrupted Load(STS) Optional				
STS Power	200KW			
STS Voltage	400V 50HZ/60HZ			
Overload Power	1.1			
Shift Time	<20mS			
System Operation Strategy				
Functional	Anti Backflow and Black Start			
Operation Mode Selections	Power peak shaving and valley filling, electricity price peak valley arbitrage,photovoltaic priority for electricity cost savings, wind power generationpriority for electricity cost savings, off grid power supply for remote areas			
Scenerios	Photovaltaic and diesel storage project, Wind power and diesel storage project, Wind and photovoltaicdiesel storage project,Charging Station + Energy storage project, On-grid electricity selling project			
Specificaiton				
Cabinet Size (W*D*H)	≈1696*1408*2055mm			
Weight	≤2.7T			
Max. cycle efficiency	≥90%			
IP rating	IP55			
Auxiliary Power Supply	Self-powered, Externally powered			
Corrosion resistance rating	C3/C5			
Operating Humidity Range	0%-100%(Non-condensing)			
Operating Temperature	-30℃-50℃(>45℃ derating)			
Max. Operation Altitude	2000m			
Communication	Ethernet、485、CAN			
Communication Protocal	ModbusTCP			
Cooling method	Intelligent Liquid Cooling			
Fire safety configuration	Smoke detector, Heat detector, Gas-based fire extinguishing system,Pressure relief valve, Pack-level fire protection,Cluster-level fire protection,Water-based fire protection, Automoatic pressure relief			

Fast DC EV Charger

C&I BESS

Bus depot
Adjacent to major arterial roads
Large-scale parking facility
Intercity junction.....

Credit Card Payments
(Optional)

CCS2

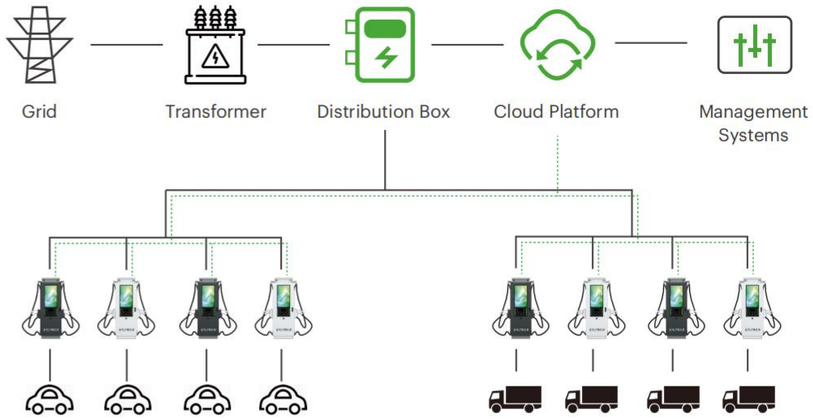
CCS1

GB/T

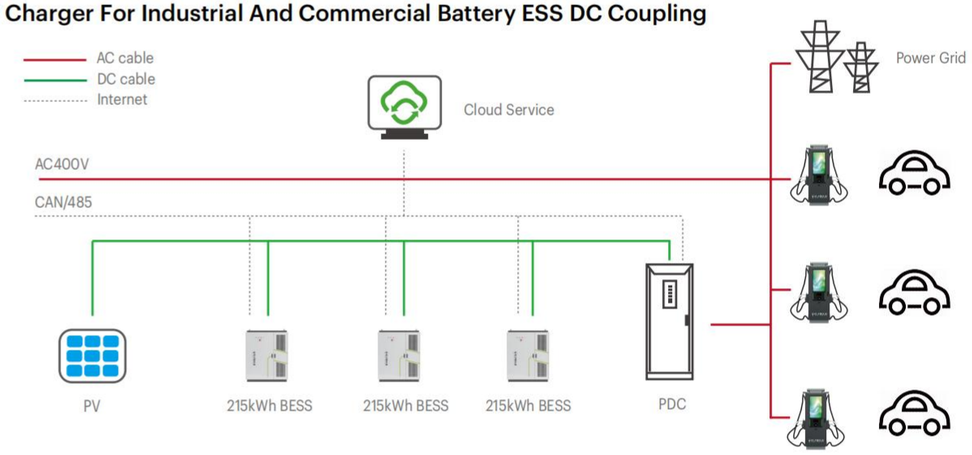
Product Features

◎ Ultra-High Power Dual-Gun Charging	◎ Advertising Functionality Supported
◎ Module Design, Easy O&M	◎ OCPP Protocol & Upgradeable
◎ Support SKD	◎ With Full monitoring Platform
◎ Sustained Power Output (No Derating)	◎ Built-in 4G module and 4G Router
◎ Low-Noise Operation	◎ Comprehensive Payment Support

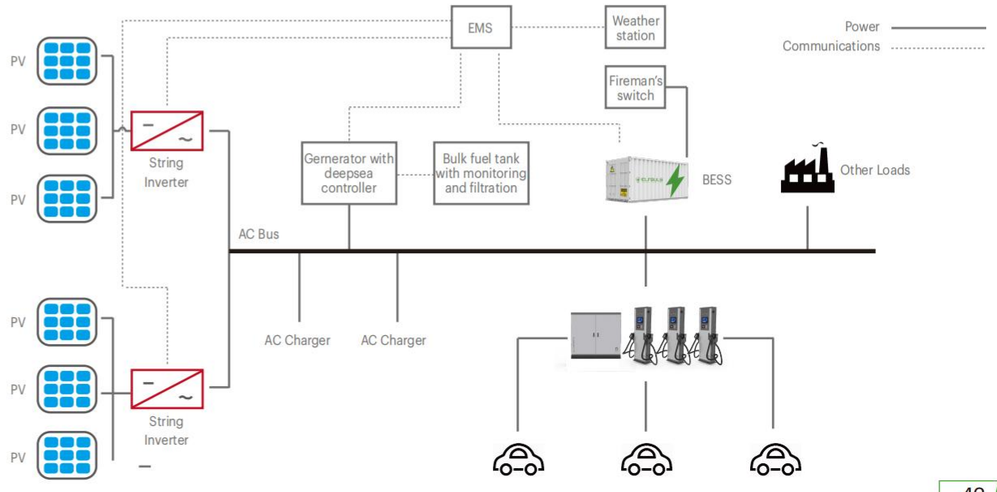
EV Charger For Business



EV Charger For Industrial And Commercial Battery ESS DC Coupling



EV Charger For Megawatts Battery ESS



Model Technical Specifications	EV-DC-60E2	EV-DC-80E2	EV-DC-120E2
Rated Input Voltage	AC380 V three-phase five-wire		
Input Voltage Range	380 VAC ±20 %		
Maximum Input Current	116 A	152 A	228A
Operating Frequency	50/60 Hz		
Output Voltage Range	50–1000 V DC		
Maximum Output Current per Gun/Connector	200 A	250 A	250A
Rated Output Power	60 kW	80 kW	120KW
Power Allocation/Switching	Equal power sharing		
Total Harmonic Distortion of Input Current (THDI)	THDI ≤5 % (input 380 V, output 1000 V, 50 %–100 % load)		
Input Inrush Current	Inrush current ≤110 % of rated input current		
Power Factor (PF)	Power factor 0.99 (50 %–100 % output power, nominal input voltage & frequency) Power factor 0.95 (20 %–50 % output power, nominal input voltage & frequency)		
Voltage Regulation Accuracy	Voltage regulation ≤±0.5 % (-30 °C to +55 °C)		
Current Regulation Accuracy	Current regulation ≤±1 % (-30 °C to +55 °C, 20 %–100 % load current)		
Output Voltage Ripple	Output voltage ripple peak coefficient ≤±1 % (input voltage 85 %, 100 %, 115 %)		
Overall Efficiency	Efficiency ≥96 % (100 % full-load output power)		
Standby Power Consumption	Standby power ≤15 W		
Cooling Method	Cooling method: forced air		
Noise Level	Noise ≤75 dB(A) at 1 m height		
Cable Specification Reference	Cu 3×35 mm² + 2×25 mm²; Al 3×70 mm² + 2×50 mm²	Cu 3×50 mm² + 2×35 mm²; Al 3×95 mm² + 2×70 mm²	Cu 3×95 mm² + 2×70 mm²; Al 3×120 mm² + 2×95 mm²
Relevant Standards	Standards: EN/IEC 62196-3, IEC 61851:2023, ISO 15118		

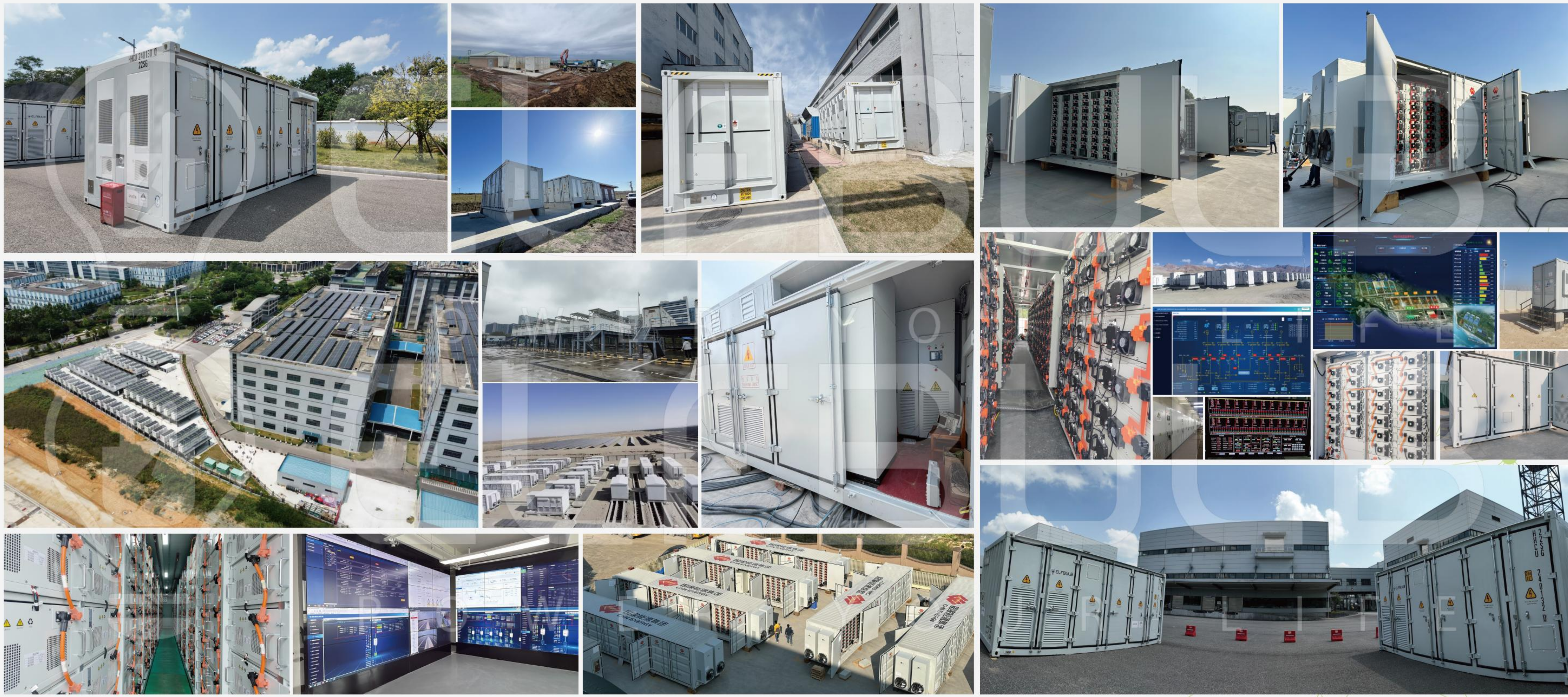
Model Technical Specifications	EV-DC-160E2	EV-DC-180E2	EV-DC-240E2
Rated Input Voltage	AC380 V three-phase five-wire		
Input Voltage Range	380 VAC ±20 %		
Maximum Input Current	304 A	384 A	456 A
Operating Frequency	50/60 Hz		
Output Voltage Range	50–1000 V DC		
Maximum Output Current per Gun/Connector	300 A / 250A		300A
Rated Output Power	160 kW	180 kW	240 kW
Power Allocation/Switching	Equal power sharing		
Total Harmonic Distortion of Input Current (THDI)	THDI ≤5 % (input 380 V, output 1000 V, 50 %–100 % load)		
Input Inrush Current	Inrush current ≤110 % of rated input current		
Power Factor (PF)	Power factor 0.99 (50 %–100 % output power, nominal input voltage & frequency) Power factor 0.95 (20 %–50 % output power, nominal input voltage & frequency)		
Voltage Regulation Accuracy	Voltage regulation ≤±0.5 % (-30 °C to +55 °C)		
Current Regulation Accuracy	Current regulation ≤±1 % (-30 °C to +55 °C, 20 %–100 % load current)		
Output Voltage Ripple	Output voltage ripple peak coefficient ≤±1 % (input voltage 85 %, 100 %, 115 %)		
Overall Efficiency	Efficiency ≥96 % (100 % full-load output power)		
Standby Power Consumption	Standby power ≤15 W		
Cooling Method	Cooling method: forced air		
Noise Level	Noise ≤75 dB(A) at 1 m height		
Cable Specification Reference	Cu 3×120 mm² + 2×95 mm²; Al 3×150 mm² + 2×120 mm²	Cu 3×150 mm² + 2×120 mm²; Al 3×185 mm² + 2×150 mm²	Cu 3×240 mm² + 2×150 mm²; Al 3×300 mm² + 2×240 mm²
Relevant Standards	Standards: EN/IEC 62196-3, IEC 61851:2023, ISO 15118		

Model Technical Specifications	EV-DC-60-G2	EV-DC-80-G2	EV-DC-120-G2	EV-DC-160-G2
Rated Input Voltage	AC380 V three-phase five-wire			
Input Voltage Range	380 VAC ±20 %			
Maximum Input Current	120A	160A	240A	320A
Operating Frequency	50/60 Hz			
Output Voltage Range	50–1000 V DC			
Maximum Output Current per Gun/Connector	200A	250A	250A	250A
Rated Output Power	60kW	80kW	120kW	160kW
Power Allocation/Switching	Equal power sharing			
Total Harmonic Distortion of Input Current (THDI)	THDI ≤5 % (input 380 V, output 1000 V, 50 %–100 % load)			
Input Inrush Current	Inrush current ≤110 % of rated input current			
Power Factor (PF)	Power factor 0.99 (50 %–100 % output power, nominal input voltage & frequency) Power factor 0.95 (20 %–50 % output power, nominal input voltage & frequency)			
Voltage Regulation Accuracy	Voltage regulation ≤±0.5 % (-30 °C to +55 °C)			
Current Regulation Accuracy	Current regulation ≤±1 % (-30 °C to +55 °C, 20 %–100 % load current)			
Output Voltage Ripple	Output voltage ripple peak coefficient ≤±1 % (input voltage 85 %, 100 %, 115 %)			
Overall Efficiency	Efficiency ≥96 % (100 % full-load output power)			
Standby Power Consumption	Standby power ≤15 W			
Cooling Method	Cooling method: forced air			
Noise Level	Noise ≤75 dB(A) at 1 m height			
Cable Specification Reference	Cu 3×50 mm² + 2×25 mm²; Al 3×95 mm² + 2×50 mm²	Cu 3×70 mm² + 2×25 mm²; Al 3×120 mm² + 2×50 mm²	Cu 3×95 mm² + 2×50 mm²; Al 3×150 mm² + 2×95 mm²	Cu 3×120 mm² + 2×70 mm²; Al 3×185 mm² + 2×120 mm²
Relevant Standards	Standards: :GB/T 18487.1-2015; GB/T 27930-2015; GB/T 20234-2015			

Model Technical Specifications	EV-DC-240-G2	EV-DC-320-G2	EV-DC-360-G2	EV-DC-400-G2
Rated Input Voltage	AC380 V three-phase five-wire			
Input Voltage Range	380 VAC ±20 %			
Maximum Input Current	480A	640A	720A	800A
Operating Frequency	50/60 Hz			
Output Voltage Range	50–1000 V DC			
Maximum Output Current per Gun/Connector	250-350A			
Rated Output Power	240kW	320kW	360kW	400kW
Power Allocation/Switching	Equal power sharing			
Total Harmonic Distortion of Input Current (THDI)	THDI ≤5 % (input 380 V, output 1000 V, 50 %–100 % load)			
Input Inrush Current	Inrush current ≤110 % of rated input current			
Power Factor (PF)	Power factor 0.99 (50 %–100 % output power, nominal input voltage & frequency) Power factor 0.95 (20 %–50 % output power, nominal input voltage & frequency)			
Voltage Regulation Accuracy	Voltage regulation ≤±0.5 % (-30 °C to +55 °C)			
Current Regulation Accuracy	Current regulation ≤±1 % (-30 °C to +55 °C, 20 %–100 % load current)			
Output Voltage Ripple	Output voltage ripple peak coefficient ≤±1 % (input voltage 85 %, 100 %, 115 %)			
Overall Efficiency	Efficiency ≥96 % (100 % full-load output power)			
Standby Power Consumption	Standby power ≤15 W			
Cooling Method	Cooling method: forced air			
Noise Level	Noise ≤75 dB(A) at 1 m height			
Cable Specification Reference	Cu 3×95 mm² + 2×50 mm²; Al 3×150 mm² + 2×95 mm²	Cu 3×120 mm² + 2×70 mm²; Al 3×185 mm² + 2×120 mm²	Cu 3×150 mm² + 2×95 mm²; Al 3×240 mm² + 2×150 mm²	Cu 3×185 mm² + 2×120 mm²; Al 3×300 mm² + 2×240 mm²
Relevant Standards	Standards: :GB/T 18487.1-2015; GB/T 27930-2015; GB/T 20234-			

UTILITY BATTERY ESS

P47~P58



20Ft Container Air Cooling ESS

Utility BESS

MPS0300-1085kWh

Product Features

- ◎ Max Parallel Units Supported
- ◎ ms-level On / Off-Grid Switching
- ◎ Integrated BMS, PCS, and EMS
- ◎ Supports PV and Diesel Gen-Set Access
- ◎ Integrated Fire Suppression and HVAC
- ◎ Integrated Isolation Transformer
- ◎ Ultra-long cycle life
- ◎ Unit-level Management for Easy O&M
- ◎ Integrated 3-Tier Fire Protection
- ◎ DC / AC Compartment Separation

MODEL	MPS0150(300KW)-1085kWh
DC Battery System	
Cell type	Lithium Ion Phosphate
Cell specifications	3.2V314AH
Battery pack	64V314AH 20S1P
System cluster configuration	576V314AH 180.864kWh 180S1P
System battery capacity	576V1884AH 1085.184kWh 180S6P
AC (Grid-connected)	
Max. Output Power (kW)	330 (165*2)
Rated Output Power (kW)	300 (150*2)
Rated Grid Voltage (V)	400
Grid Voltage Range (V)	320~460
Rated Output Current (A)	432 (216*2)
Rated Grid Frequency (Hz)	50/60
Grid Frequency Range (Hz)	45~55 / 55~65
THDi	＜3%
Power Factor	1 lagging-1 leading（Settable)
Grid Type	3W+N+PE
AC (Off-grid)	
Max. Output Power (kW)	330 (165*2)
Rated Output Power (kW)	300 (150*2)
Rated Output Voltage (V)	400
Rated Output Current (A)	432 (216*2)
THDU	⩽1% Linear ⩽5% Nonlinear
Rated Output Frequency (Hz)	50/60
Overload Capacity	110% - normal operation, 120% - 1 minute
PV Input	
Max. PV Input Voltage (V)	1000
Max. PV Power (kW)	120/180/240
Number of MPPT Inputs	2/3/4
MPPT Voltage Range (V)	250~850
Battery	
Battery Voltage Range (V)	420~850
Max. Charging Power (kW)	120/180/240
General Data	
Dimensions W×D×H (mm)	≈6058 × 2436 × 2591 mm
Weight (kg)	≈ 16.6 t
Operating Temperature Range (°C)	-30 to +55
Relative Humidity	0–95 %, non-condensing
IP Rating	IP55
Noise (dB)	＜70
Operating Altitude (m)	5000 m (derating above 3000 m)
Cooling Method	Air Cooling
Display & Communication	
Display	Touch screen
BMS Communication	RS485,CAN
EMS Communication	RS485,TCP/IP

20Ft Container Air Cooling ESS

Utility BESS

MEGA0500TS-1350kWh

Product Features

- ◎ Max Parallel Units Supported
- ◎ ms-level On / Off-Grid Switching
- ◎ Integrated BMS, PCS, and EMS
- ◎ Supports Wind Turbine Integration
- ◎ Integrated Fire Suppression and HVAC
- ◎ Integrated Isolation Transformer
- ◎ Ultra-long cycle life
- ◎ Unit-level Management for Easy O&M
- ◎ Integrated 3-Tier Fire Protection
- ◎ DC / AC Compartment Separation

MODEL	MEGA0500TS-1350kWh
DC Battery System	
Cell type	Lithium Ion Phosphate
Cell specifications	3.2V314AH
Battery pack	51.2V314AH 16.076kWh 16S1P
System cluster configuration	716.8V314AH 225.075kWh 224S1P
System battery capacity	716.8V1884AH 1350.451kWh 224S6P
AC (Grid-connected)	
Max. Output Power (kW)	550
Rated Output Power (kW)	500
Rated Grid Voltage (V)	400
Grid Voltage Range (V)	320~460
Rated Output Current (A)	722
Rated Grid Frequency (Hz)	794
Grid Frequency Range (Hz)	45~55 / 55~65
THDi	＜3%
Power Factor	1 lagging-1 leading（Settable）
Grid Type	3W+N+PE
AC (Off-grid)	
Rated Output Voltage (V)	400
THDU	＜1% Linear ＜5% Nonlinear
Rated Output Frequency (Hz)	50/60
Overload Capacity	110% - normal operation
General Data	
Maximum Efficiency	97.50%
IP Rating	IP55
Noise Level (dB)	＜70
Operating Temperature Range (°C)	-30 to +55
Cooling Method	Air Cooling
Relative Humidity	0–95 %, non-condensing
Maximum Operating Altitude (m)	5000 m (derating above 3000 m)
Dimensions W×D×H (mm)	6058 × 2436 × 2591 mm
Weight (kg)	≈18t
Standby Power Consumption	＜0.5%
Grid-Tied/Off-Grid Switching	Auto
Display & Communication	
Display	Touch screen
BMS Communication	RS485,CAN
EMS Communication	RS485,TCP/IP

20Ft Container Liquid Cooling

Utility BESS

MPS0250 / MPS0500
2315kWh

Product Features

- ◎ Max Parallel Units Supported
- ◎ ms-level On / Off-Grid Switching
- ◎ Integrated BMS, PCS, and EMS
- ◎ Supports PV and Diesel Gen-Set Access
- ◎ Integrated Fire Suppression and HVAC
- ◎ Integrated Isolation Transformer
- ◎ Ultra-long cycle life
- ◎ Unit-level Management for Easy O&M
- ◎ Integrated 3-Tier Fire Protection
- ◎ DC / AC Compartment Separation

MODEL	MPS0250-2315kWh	MPS0500-2315kWh
DC Battery System		
Cell type	Lithium Ion Phosphate	
Cell specifications	3.2V314AH	
Battery pack	153.6V314AH 48.23kWh 48S1P	
System cluster configuration	614.4V314AH 192.92kWh 192S1P	
System battery capacity	2315.04kWh (12*Cluster)	
AC (Grid-connected)		
Max. Output Power (kW)	275	550
Rated Output Power (kW)	250	500
Rated Grid Voltage (V)	400	
Grid Voltage Range (V)	320~460	
Rated Output Current (A)	361	722
Rated Grid Frequency (Hz)	50/60	
Grid Frequency Range (Hz)	45~55 / 55~65	
THDi	＜3%	
Power Factor	1 lagging-1 leading（Settable)	
Grid Type	3W+N+PE	
AC (Off-grid)		
Max. Output Power (kW)	275	550
Rated Output Power (kW)	250	500
Rated Output Voltage (V)	400	
Rated Output Current (A)	361	722
THDU	⩽1% Linear ⩽5% Nonlinear	
Rated Output Frequency (Hz)	50/60	
Overload Capacity	110% - normal operation, 120% - 1 minute	
PV Input		
Max. PV Input Voltage (V)	1000	
Max. PV Power (kW)	300/360	600/660/720
Number of MPPT Inputs	5/6	10/11/12
MPPT Voltage Range (V)	250~850	
Battery		
Battery Voltage Range (V)	420~850	500~850
Max. Charging Power (kW)	300/360	600/660/720
General Data		
Dimensions W×D×H (mm)	20ft	20ft
Operating Temperature Range (°C)	-30 to +55	
Relative Humidity	0~95 %, non-condensing	
IP Rating	IP55	
Noise (dB)	＜70	
Operating Altitude (m)	5000 m (derating above 3000 m)	
Cooling Method	Liquid Cooling	
Display & Communication		
Display	Touch screen	
BMS Communication	RS485,CAN	
EMS Communication	RS485,TCP/IP	

40Ft Container Air Cooling ESS

Utility BESS

MPS0250 / MPS0500
2315kWh

Product Features

- ◎ Max Parallel Units Supported
- ◎ ms-level On / Off-Grid Switching
- ◎ Integrated BMS, PCS, and EMS
- ◎ Supports PV and Diesel Gen-Set Access
- ◎ Integrated Fire Suppression and HVAC
- ◎ Integrated Isolation Transformer
- ◎ Ultra-long cycle life
- ◎ Unit-level Management for Easy O&M
- ◎ Integrated 3-Tier Fire Protection
- ◎ DC / AC Compartment Separation

MODEL	MPS0500-2410kWh	MPS1000-2410kWh
DC Battery System		
Cell type	Lithium Ion Phosphate	
Cell specifications	3.2V314AH	
Battery pack	64V314AH 20.096kWh 20S1P	
System cluster configuration	768V314AH 241.152kWh 240S1P	
System battery capacity	2411.52kWh (10*Cluster)	
AC (Grid-connected)		
Max. Output Power (kW)	550	1100 (550*2)
Rated Output Power (kW)	500	1000 (500*2)
Rated Grid Voltage (V)	400	
Grid Voltage Range (V)	320~460	
Rated Output Current (A)	722	1444 (722*2)
Rated Grid Frequency (Hz)	50/60	
Grid Frequency Range (Hz)	45~55 / 55~65	
THDi	<3%	
Power Factor	1 lagging-1 leading（Settable)	
Grid Type	3W+N+PE	
AC (Off-grid)		
Max. Output Power (kW)	550	1100 (550*2)
Rated Output Power (kW)	500	1000 (500*2)
Rated Output Voltage (V)	400	
Rated Output Current (A)	722	1444 (722*2)
THDU	⩽1% Linear ⩽5% Nonlinear	
Rated Output Frequency (Hz)	50/60	
Overload Capacity	110% - normal operation, 120% - 1 minute	
PV Input		
Max. PV Input Voltage (V)	1000	
Max. PV Power (kW)	600/660/720	600/660/720
Number of MPPT Inputs	10/11/12	10/11/12
MPPT Voltage Range (V)	250~850	
Battery		
Battery Voltage Range (V)	500~850	500~850
Max. Charging Power (kW)	600/660/720	600/660/720
General Data		
Dimensions W×D×H (mm)	40ft	40ft
Operating Temperature Range (°C)	-30 to +55	
Relative Humidity	0~95 %, non-condensing	
IP Rating	IP55	
Noise (dB)	<70	
Operating Altitude (m)	5000 m (derating above 3000 m)	
Cooling Method	Air Cooling	
Display & Communication		
Display	Touch screen	
BMS Communication	RS485,CAN	
EMS Communication	RS485,TCP/IP	

40Ft Container Liquid Cooling

Utility BESS

MPS1000 4630kWh

Product Features

- ◎ Max Parallel Units Supported
- ◎ ms-level On / Off-Grid Switching
- ◎ Integrated BMS, PCS, and EMS
- ◎ Supports PV and Diesel Gen-Set Access
- ◎ Integrated Fire Suppression and HVAC
- ◎ Integrated Isolation Transformer
- ◎ Ultra-long cycle life
- ◎ Unit-level Management for Easy O&M
- ◎ Integrated 3-Tier Fire Protection
- ◎ DC / AC Compartment Separation

MODEL	MPS1000-4630kWh
DC Battery System	
Cell type	Lithium Ion Phosphate
Cell specifications	3.2V314AH
Battery pack	153.6V314AH 48.23kWh 48S1P
System cluster configuration	614.4V314AH 192.92kWh 192S1P
System battery capacity	4630.08kWh (24*Cluster)
AC (Grid-connected)	
Max. Output Power (kW)	1100 (550*2)
Rated Output Power (kW)	1000 (500*2)
Rated Grid Voltage (V)	400
Grid Voltage Range (V)	320~460
Rated Output Current (A)	1444 (722*2)
Rated Grid Frequency (Hz)	50/60
Grid Frequency Range (Hz)	45~55 / 55~65
THDi	＜3%
Power Factor	1 lagging-1 leading（Settable）
Grid Type	3W+N+PE
AC (Off-grid)	
Max. Output Power (kW)	1100 (550*2)
Rated Output Power (kW)	1000 (500*2)
Rated Output Voltage (V)	400
Rated Output Current (A)	1444 (722*2)
THDU	⩽1% Linear ⩽5% Nonlinear
Rated Output Frequency (Hz)	50/60
Overload Capacity	110% - normal operation, 120% - 1 minute
PV Input	
Max. PV Input Voltage (V)	1000
Max. PV Power (kW)	600/660/720
Number of MPPT Inputs	10/11/12
MPPT Voltage Range (V)	250~850
Battery	
Battery Voltage Range (V)	500~850
Max. Charging Power (kW)	600/660/720
General Data	
Dimensions W×D×H (mm)	40ft
Operating Temperature Range (°C)	-30 to +55
Relative Humidity	0~95 %, non-condensing
IP Rating	IP55
Noise (dB)	＜70
Operating Altitude (m)	5000 m (derating above 3000 m)
Cooling Method	Liquid Cooling
Display & Communication	
Display	Touch screen
BMS Communication	RS485,CAN
EMS Communication	RS485,TCP/IP

ELECTRIC VEHICLE BATTERY ESS

P59~P76

Counterbalance Forklift LiFePO4

High Module Consistency

Excellent Compatibility

Long Cycle Life

Real-time Data Acquisition

Product Features

- ◎ Cell Safety & Precision: Full-temp 5 mV voltage control for cell safety.
- ◎ Protection: Disconnect detection for timely cell protection.
- ◎ Arcing Prevention: Integrated pre-charge function.
- ◎ Ease of Use: Low-current switch for transport/storage power control.
- ◎ Logging: Detailed system event and fault logging (time, cause).
- ◎ User Interface: Simple dashboard displays real-time SoC/voltage.
- ◎ Connectivity: Bluetooth APP for fast status monitoring and vehicle commissioning.
- ◎ Remote Management: IoT backend for over-the-air service (updates, tuning, remote shutdown).

Parameters of Electric Counterbalance Forklift 51.2V460AH LiFePO4 Battery Model	
Nominal Voltage	51.2 V
System Charge Cut-off Voltage	58.4 V
Nominal Capacity	460 Ah
System Discharge Cut-off Voltage	41.6 V
Nominal Energy	23.55 kWh
Charging Temperature Range	0 – 55 °C
Discharging Temperature Range	–20 – 60 °C
Communication	With CAN/RS485 (optional)
Weight	1,000 kg
Dimensions (L × W × H)	970 × 530 × 750 mm
Application	Counter-balanced forklift trucks

Electric Sanitation Vehicle LiFePO4

Cleaning Vehicle / Sanitation Vehicle, High-Pressure Washer Truck,Leaf Collector Truck / Leaf Vacuum Truck, Waste Collection Vehicle (WCV), Pure Vacuum Street Sweeper, Water Sprinkler Truck.

- High Module Consistency
- Excellent Compatibility
- Long Cycle Life
- Real-time Data Acquisition

Product Features

- ◎ Cell Safety & Precision: Full-temp 5 mV voltage control for cell safety.
- ◎ Protection: Disconnect detection for timely cell protection.
- ◎ Arcing Prevention: Integrated pre-charge function.
- ◎ Ease of Use: Low-current switch for transport/storage power control.
- ◎ Logging: Detailed system event and fault logging (time, cause).
- ◎ User Interface: Simple dashboard displays real-time SoC/voltage.
- ◎ Connectivity: Bluetooth APP for fast status monitoring and vehicle commissioning.
- ◎ Remote Management: IoT backend for over-the-air service (updates, tuning, remote shutdown).

Parameters of Electric Sanitation Vehicle LiFePO4 Battery Model		
Model	YY-60V210AH	YY-72V300AH
Nominal Voltage	64 V	76.8 V
Nominal Capacity	210 Ah	300 Ah
Battery Dimensions (L × W × H)	540 × 480 × 240 mm	700 × 540 × 270 mm
Battery Weight	95 kg	150 kg
Max. Charging Current	30 A	40 A
Communication	RS-485 / CAN	
Smart Options (optional)	IoT GPS tracking & fleet-management module	

Electric Cleaning Vehicle LiFePO4

Floor Scrubber (Scrubber Dryer), Floor Sweeper, Street Sweeper (Road Sweeper), Vacuum Cleaner, Robot Vacuum Cleaner

- High Module Consistency
- Excellent Compatibility
- Long Cycle Life
- Real-time Data Acquisition

Product Features

- Cell Safety & Precision: Full-temp 5 mV voltage control for cell safety.
- Protection: Disconnect detection for timely cell protection.
- Arcing Prevention: Integrated pre-charge function.
- Ease of Use: Low-current switch for transport/storage power control.
- Logging: Detailed system event and fault logging (time, cause).
- User Interface: Simple dashboard displays real-time SoC/voltage.
- Connectivity: Bluetooth APP for fast status monitoring and vehicle commissioning.
- Remote Management: IoT backend for over-the-air service (updates, tuning, remote shutdown).

Parameters of Electric Cleaning Vehicle LiFePO4 Battery Model		
Model	YY-24V100AH	YY-48V200AH
Nominal Voltage	25.6 V	51.2 V
Nominal Capacity	100 Ah	200 Ah
Battery Dimensions (L × W × H)	530 × 260 × 200 mm	560 × 370 × 240 mm
Battery Weight	21 kg	73 kg
Max. Charging Current	15 A	25 A
Communication	RS-485 / CAN	RS-485 / CAN
Smart Options (optional)	IoT GPS tracking & fleet-management module	

Electric Golf Cart Vehicle LiFePO4

Product Features

- ◎ Cell Safety & Precision: Full-temp 5 mV voltage control for cell safety.
- ◎ Protection: Disconnect detection for timely cell protection.
- ◎ Arcing Prevention: Integrated pre-charge function.
- ◎ Ease of Use: Low-current switch for transport/storage power control.
- ◎ Logging: Detailed system event and fault logging (time, cause).
- ◎ User Interface: Simple dashboard displays real-time SoC/voltage.
- ◎ Connectivity: Bluetooth APP for fast status monitoring and vehicle commissioning.
- ◎ Remote Management: IoT backend for over-the-air service (updates, tuning, remote shutdown).

Model	YY-48V105AH
Nominal Voltage	51.2 V
Nominal Capacity	105 Ah
Battery Dimensions	520 × 280 × 280 mm (L × H × W)
Battery Weight	45 kg
Charging Current	20 A
Communication	RS-485 / CAN
Smart Options (optional)	IoT GPS tracking & fleet-management module

Model	YY-48V150AH
Nominal Voltage	51.2 V
Nominal Capacity	150 Ah
Battery Dimensions	660 × 240 × 260 mm (L × W × H)
Battery Weight	60 kg
Max. Charging Current	20 A
Communication	RS-485 / CAN
Smart Options (optional)	IoT GPS tracking & fleet-management module

Model	YY-48V180AH
Nominal Voltage	51.2 V
Nominal Capacity	180 Ah
Battery Dimensions	660 × 320 × 200 mm (L × W × H)
Battery Weight	75 kg
Max. Charging Current	20 A
Communication Interfaces	RS-485 / CAN
Smart Options (optional)	IoT GPS tracking & fleet-management module

Model	YY-48V205AH
Nominal Voltage	51.2 V
Nominal Capacity	205 Ah
Battery Dimensions	750 × 270 × 280 mm (L × W × H)
Battery Weight	86 kg
Max. Charging Current	20 A
Communication	RS-485 / CAN
Smart Options (optional)	IoT GPS tracking & fleet-management module

Stand-up Reach Truck LiFePO4

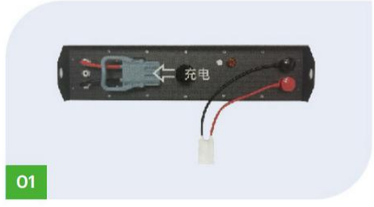
High Module Consistency

Excellent Compatibility

Long Cycle Life

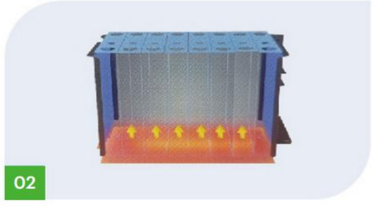
Real-time Data Acquisition

Product Features



01

Independent charge and discharge interfaces, facilitating quick and efficient operation.



02

Equipped with standard auxiliary heating for diverse applications.

03

Based on market research and analysis, the product is suitable for a wider range of vehicle models.

04

Branded cells ensure reliable quality and superior cycle life.

Parameters of Stand-up Reach Truck LiFePO4 Battery Model			
Parameter	YY-24V135AH	YY-24V160AH	YY-24V200AH
Nominal Voltage	25.6 V	25.6 V	25.6 V
Nominal Capacity	135 Ah	160 Ah	200 Ah
Nominal Energy	3.46 kWh	4.10 kWh	5.12 kWh
Communication	Non-comm / CAN or RS-485 (optional)		
Weight	40 kg	55 kg	70 kg
Charge Cut-off Voltage	29.2 V	29.2 V	29.2 V
Discharge Cut-off Voltage	20.0 V	20.0 V	20.0 V
Charge Temperature Range	0 – +55 °C	0 – +55 °C	0 – +55 °C
Discharge Temperature Range	–20 – +55 °C	–20 – +55 °C	–20 – +55 °C
Dimensions (L × W × H)	500 × 190 × 450 mm	620 × 180 × 450 mm	650 × 180 × 460 mm
Application	Suitable for stand-on pallet trucks, stackers and other industrial vehicles		

Low-Speed Electric Vehicle LiFePO4

Product Features

- ◎ Cell Safety & Precision: Full-temp 5 mV voltage control for cell safety.
- ◎ Protection: Disconnect detection for timely cell protection.
- ◎ Arcing Prevention: Integrated pre-charge function.
- ◎ Ease of Use: Low-current switch for transport/storage power control.
- ◎ Logging: Detailed system event and fault logging (time, cause).
- ◎ User Interface: Simple dashboard displays real-time SoC/voltage.
- ◎ Connectivity: Bluetooth APP for fast status monitoring and vehicle commissioning.
- ◎ Remote Management: IoT backend for over-the-air service (updates, tuning, remote shutdown).

Model	YY-60V30AH
Nominal Voltage	64 V
Nominal Capacity	30 Ah
Battery Dimensions	160 × 150 × 380 mm (L × W × H)
Battery Weight	12 kg
Max. Charging Current	5 A
Communication	RS-485 / CAN
Smart Options (optional)	IoT GPS tracking & fleet-management module

Model	YY-60V80AH
Nominal Voltage	64 V
Nominal Capacity	80 Ah
Battery Dimensions	500 × 300 × 210 mm (L × W × H)
Battery Weight	36 kg
Max. Charging Current	10 A
Communication	RS-485 / CAN
Smart Options (optional)	IoT GPS tracking & fleet-management module

Model	YY-60V100AH
Nominal Voltage	64 V
Nominal Capacity	100 Ah
Battery Dimensions	450 × 335 × 250 mm (L × W × H)
Battery Weight	46 kg
Max. Charging Current	15 A
Communication	RS-485 / CAN
Smart Options (optional)	IoT GPS tracking & fleet-management module

Model	YY-60V150AH
Nominal Voltage	64 V
Nominal Capacity	150 Ah
Battery Dimensions	450 × 330 × 260 mm (L × W × H)
Battery Weight	67 kg
Max. Charging Current	15 A
Communication	RS-485 / CAN
Smart Options (optional)	IoT GPS tracking & fleet-management module

Model	YY-72V60AH
Nominal Voltage	76.8 V
Nominal Capacity	60 Ah
Battery Dimensions	600 × 260 × 200 mm (L × W × H)
Battery Weight	32 kg
Max. Charging Current	8 A
Communication	RS-485 / CAN
Smart Options (optional)	IoT GPS tracking & fleet-management module

Model	YY-72V100AH
Nominal Voltage	76.8 V
Nominal Capacity	100 Ah
Battery Dimensions	500 × 335 × 250 mm (L × W × H)
Battery Weight	53 kg
Max. Charging Current	15 A
Communication	RS-485 / CAN
Smart Options (optional)	IoT GPS tracking & fleet-management module

Model	YY-72V180AH
Nominal Voltage	76.8 V
Nominal Capacity	180 Ah
Battery Dimensions	600 × 330 × 270 mm (L × W × H)
Battery Weight	85 kg
Max. Charging Current	15 A
Communication	RS-485 / CAN
Smart Options (optional)	IoT GPS tracking & fleet-management module

Model	YY-72V200AH
Nominal Voltage	76.8 V
Nominal Capacity	200 Ah
Battery Dimensions	540 × 480 × 270 mm (L × W × H)
Battery Weight	100 kg
Max. Charging Current	25 A
Communication	RS-485 / CAN
Smart Options (optional)	IoT GPS tracking & fleet-management module

Model	YY-72V130AH
Nominal Voltage	76.8 V
Nominal Capacity	130 Ah
Battery Dimensions	650 × 320 × 240 mm (L × W × H)
Battery Weight	65 kg
Max. Charging Current	15 A
Communication	RS-485 / CAN
Smart Options (optional)	IoT GPS tracking & fleet-management module

Model	YY-72V150AH
Nominal Voltage	76.8 V
Nominal Capacity	150 Ah
Battery Dimensions	520 × 330 × 270 mm (L × W × H)
Battery Weight	72 kg
Max. Charging Current	15 A
Communication	RS-485 / CAN
Smart Options (optional)	IoT GPS tracking & fleet-management module

Model	YY-72V230AH
Nominal Voltage	76.8 V
Nominal Capacity	230 Ah
Battery Dimensions	680 × 450 × 240 mm (L × W × H)
Battery Weight	110 kg
Max. Charging Current	25 A
Communication	RS-485 / CAN
Smart Options (optional)	IoT GPS tracking & fleet-management module

Model	YY-72V300AH
Nominal Voltage	76.8 V
Nominal Capacity	300 Ah
Battery Dimensions	700 × 540 × 270 mm (L × W × H)
Battery Weight	150 kg
Max. Charging Current	25 A
Communication	RS-485 / CAN
Smart Options (optional)	IoT GPS tracking & fleet-management module

ELectric Heavy Truck LiFePO4

Model	YY-614V690AH
Cell Material	$LiFePO_4$
Series & Parallel Mode	192 S 3 P
Parallel Support	Max 16 parallel (230 Ah × 16 P)
Nominal Voltage	614.4 V
Nominal Capacity	690 Ah (230 Ah × 3 P)
Size (mm)	2600 × 2200 × 1100
Weight	4500 kg
Charge Mode	Plug-and-play connector
Output Port	Plug-and-play connector
Charging Current	345 A (standard)
Discharge Current	345 A
Charge Cut-off Voltage	691.2 V
Discharge Cut-off Voltage	480 V

Model	YY-576V1120AH
Cell Material	$LiFePO_4$
Series & Parallel Mode	180S4P
Parallel Support	Max 16 parallel (280Ah × 16P)
Nominal Voltage	576V
Nominal Capacity	1120Ah (280Ah × 4P)
Size (mm)	4300 × 1480 × 1388
Weight	6100 kg
Charge Mode	DC charging pile – CC/CV
Output Port	Plug-and-play connector
Continuous Current	560A (standard)
Discharge Current	560A
Charge Cut-Off Voltage	657V
Discharge Cut-Off Voltage	450V
Discharge Mode	CC/CP
Cooling Mode	Liquid cooling

Product Features

Agriculture

Long endurance, resistant to harsh environments, and stable power output to ensure prolonged and efficient operations.

Marine

Waterproof and anti-corrosion, safe and reliable, with strong power to guarantee stable navigation on water.

Trucks

Powerful performance, excellent low-temperature performance, and fast charging to meet the demands of heavy-duty and efficient operations.

Specialized Applications

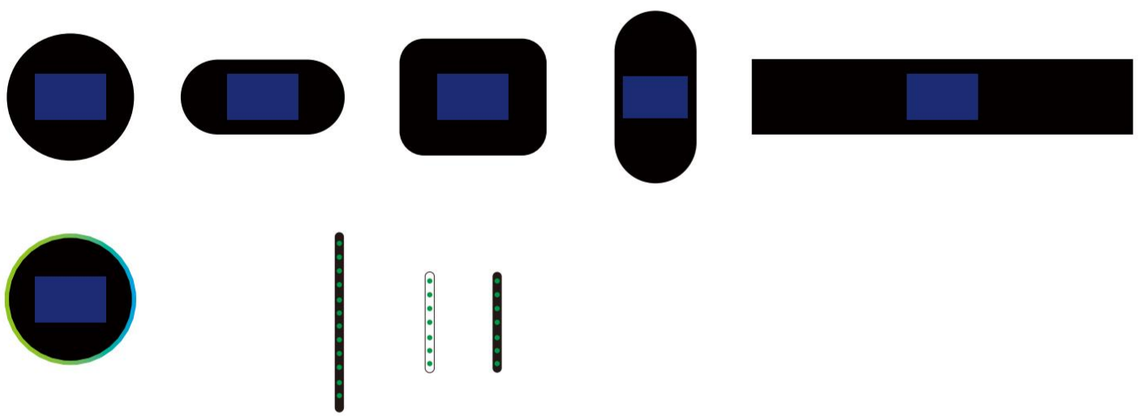
Customizable, complex, and high-difficulty special batteries to meet unique needs in various extreme environments.

Customized Services

Custom Silk Screening / Logo / Acrylic / Color/ RGB Light

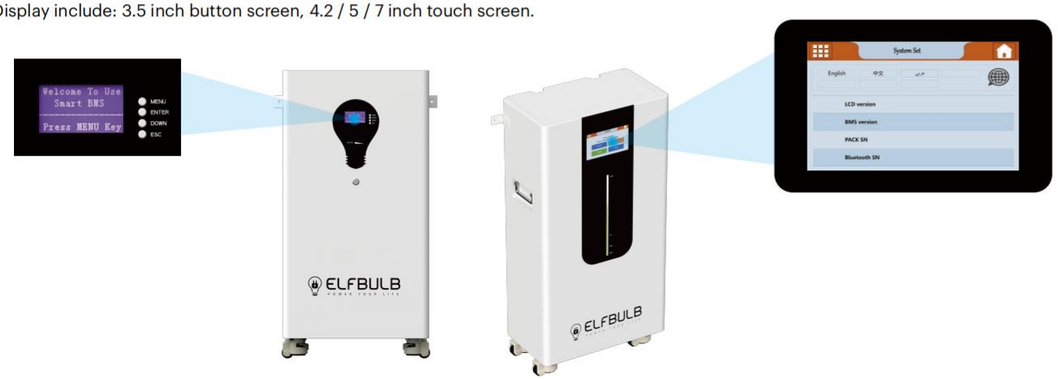
Taking a wall-mounted residential lithium battery as an example

The display screen can be made in the following shapes: circular, square, and other shapes.

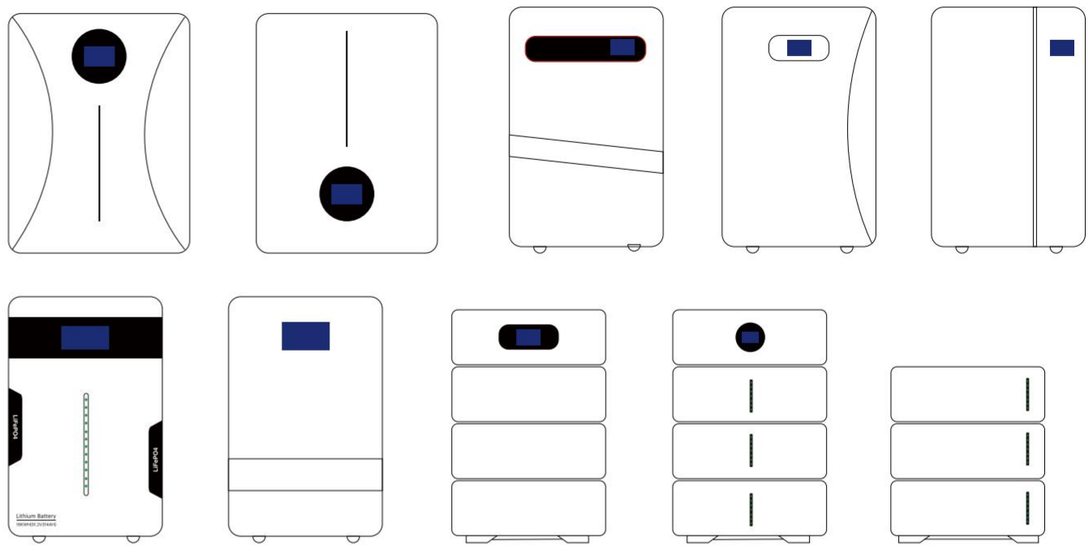


Display / Language Interface Design

Available languages include: Chinese, English, German, Japanese, Arabic, Vietnamese, Czech, Arabic...
The specific language selection will be based on customer requirements.
Display include: 3.5 inch button screen, 4.2 / 5 / 7 inch touch screen.



Custom Meta Case Appearance



Custom BMS Function

BMS

- Customizable RS485/RS232/CAN Communication Protocols
- Integrated Bluetooth & WiFi
- GPS Positioning
- 4G Module
- BMS with Active Balancing Protection