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## PRODUCT CATALOG

### Energy Storage & Power Battery Factory

# About DELONG ENERGY

Shenzhen Delong Energy Technology Co., Ltd. is one of the leading lithium ion battery manufacturers in China. Our management team has more than 10 years experience in lithium ion battery industry. We have our own factory, testing room, and sales center. Our factory is located in Dongguan City, Guangdong Province which is occupied over 6000 square meters. We have a strong R&D department and more than 200 well trained workers who can ensure the production of high quality and more stable products.

Dongguan Delong is a high-tech factory certified by CE, ROHS, IEC62133, and ISO9001:2015. We specialize in developing and manufacturing customized new energy products, including LifePO4 battery packs, lithium polymer battery packs, and 18650 lithium ion battery packs. Our products are widely used in outdoor energy storage systems, household solar energy storage systems, RV, golf carts, E-bike, E-tricycles, low-speed vehicles, marine and emergency equipments.

Now, Delong Energy has a good reputation for quality and after-sales service in the battery industry.

**10yrs<sup>+</sup>**  
Manufacturer

**6000<sup>+</sup>**  
Square Meters

**120<sup>+</sup>**  
Countries

**550,000<sup>+</sup>**  
Customers

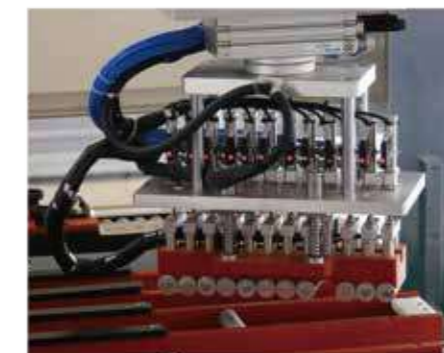
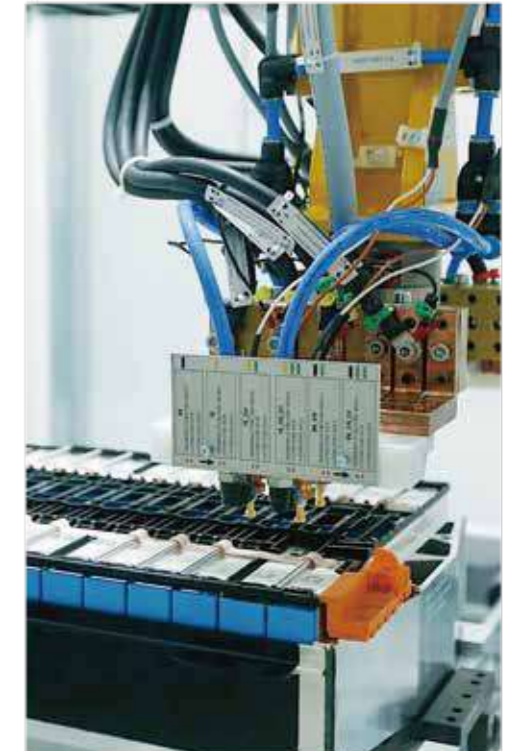
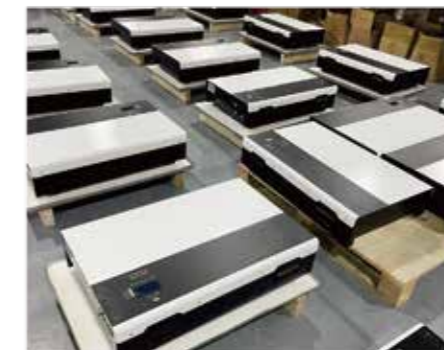
# DEVELOPMENT HISTORY

Delong Energy has been committed to producing lithium Iron phosphate(LiFePO4) battery products that satisfy and reassure customers for over a decade.



# CERTIFICATIONS

## PRODUCTION & TESTING EQUIPMENT



MOVABLE HOME ENERGY STORAGE BATTERY



Product Features

- Stackable & Movable
- Built-in BMS
- Energy dense
- Long cycle life
- Support customization
- Support for Parallel Connection
- Supports Inverter Communications

Applicable Scope

- Household Energy Storage
- UPS System
- Solar Storage
- Central Office
- Base Transceiver Station
- Electric Power System
- Telecommunication Systems
- Communication Equipments
- Switching Applications and More

5Kwh ~ 25Kwh

Stackable & Movable Mounted



Models	DL-LFP-HS51100			
Product Specification	51.2V 100Ah x 1P	51.2V 100Ah x 2P	51.2V 100Ah x 3P	51.2V 100Ah x 5P
Nominal Voltage	51.2V	51.2V	51.2V	51.2V
Nominal Capacity	100Ah	200Ah	300Ah	500Ah
Battery Energy	5.12Kwh	10.24Kwh	15.36Kwh	25.6Kwh
Max Charge Current	70A	140A*	210A*	350A*
Max Discharge Current	100A	200A*	300A*	500A*
Recommended load	2~5Kw	3~8Kw	5~12Kw	8~15Kw
Charging Cut-off Voltage	57.6V± 0.2V			
Discharging Cut-off Voltage	44.8V± 0.2V			
Cell Type	LiFePO4 Battery			
Terminal	M8			
Case Material	Metal Box			
Communication Mode	RS485/CAN			
Charge Temperature Range	0~45℃			
Discharge Temperature Range	-5~55℃			
Cycle Life	≥6500 Cycles			
Designed Life	12 Years			
Colour	white			
Weight	60±0.5Kg	108.5±0.5Kg	157.5±0.5Kg	255.5±0.5Kg
Dimensions(LxWxH)	640*450*180/310mm	640*450*345/475mm	640*450*510/640mm	640*450*840/970mm
Assembly Method	Stackable & Movable			

\* This is the theoretical current value after batteries are connected in series. There will be a certain error due to external wire length and other factors.

MOVABLE HOME ENERGY STORAGE BATTERY



Product Features

- Stackable & Movable
- Built-in BMS
- Energy dense
- Long cycle life
- Support customization
- Support for Parallel Connection
- Supports Inverter Communications

Applicable Scope

- Household Energy Storage
- UPS System
- Solar Storage
- Central Office
- Base Transceiver Station
- Electric Power System
- Telecommunication Systems
- Communication Equipments
- Switching Applications and More

10Kwh ~ 50Kwh

Stackable & Movable Mounted



Models	HS51200-10			
Product Specification	51.2V 200Ah x 1P	51.2V 200Ah x 2P	51.2V 200Ah x 3P	51.2V 200Ah x 5P
Nominal Voltage	51.2V	51.2V	51.2V	51.2V
Nominal Capacity	200Ah	400Ah	600Ah	1000Ah
Battery Energy	10.24Kwh	20.56Kwh	30.72Kwh	51.2Kwh
Max Charge Current	100A	200A*	300A*	500A*
Max Discharge Current	200A	400A*	600A*	1000A*
Recommended load	5~8Kw	5~12Kw	8~15Kw	10~20Kw
Charging Cut-off Voltage	57.6V± 0.2V			
Discharging Cut-off Voltage	44.8V± 0.2V			
Cell Type	LiFePO4 Battery			
Terminal	M8			
Case Material	Metal Box			
Communication Mode	RS485/CAN			
Charge Temperature Range	0~45℃			
Discharge Temperature Range	-5~55℃			
Cycle Life	≥6500 Cycles			
Designed Life	12 Years			
Colour	white +black			
Weight	92±0.5Kg	168.5±0.5Kg	245±0.5Kg	398±0.5Kg
Dimensions(LxWxH)	690*590*160/290mm	690*590*305/435mm	690*590*450/580mm	690*590*740/870mm
Assembly Method	Stackable & Movable			

\* This is the theoretical current value after batteries are connected in series. There will be a certain error due to external wire length and other factors.

MOVABLE HOME ENERGY STORAGE BATTERY



Product Features

- Stackable & Movable
- Built-in BMS
- Energy dense
- Long cycle life
- Support customization
- Support for Parallel Connection
- Supports Inverter Communications

Applicable Scope

- Household Energy Storage
- UPS System
- Solar Storage
- Central Office
- Base Transceiver Station
- Electric Power System
- Telecommunication Systems
- Communication Equipments
- Switching Applications and More

15Kwh ~ 45Kwh

Stackable & Movable Mounted



Models	DL-LFP-HS51300		
Product Specification	51.2V 300Ah x 1P	51.2V 300Ah x 2P	51.2V 300Ah x 3P
Nominal Voltage	51.2V	51.2V	51.2V
Nominal Capacity	300Ah	600Ah	900Ah
Battery Energy	15.36Kwh	30.72Kwh	46.08Kwh
Max Charge Current	100A	200A*	300A*
Max Discharge Current	200A	400A*	600A*
Recommended load	5~8Kw	5~12Kw	10~20Kw
Charging Cut-off Voltage	57.6V± 0.2V		
Discharging Cut-off Voltage	44.8V± 0.2V		
Cell Type	LiFePO4 Battery		
Terminal	M8		
Case Material	Metal Box		
Communication Mode	RS485/CAN		
Charge Temperature Range	0~45℃		
Discharge Temperature Range	-5~55℃		
Cycle Life	≥6500 Cycles		
Designed Life	12 Years		
Colour	white+black		
Weight	118±0.5Kg	220±0.5Kg	322±0.5Kg
Dimensions(LxWxH)	690*590*258/388mm	690*590*500/630mm	690*590*745/875mm
Assembly Method	Stackable & Movable		

\* This is the theoretical current value after batteries are connected in series. There will be a certain error due to external wire length and other factors.

MOVABLE HOME ENERGY STORAGE BATTERY



Product Features

- Movable
- Built-in BMS
- Energy dense
- Long cycle life
- Support customization
- Support for Parallel Connection
- Supports Inverter Communications

Applicable Scope

- Household Energy Storage
- UPS System
- Solar Storage
- Central Office
- Base Transceiver Station
- Electric Power System
- Telecommunication Systems
- Communication Equipments
- Switching Applications and More

9.6Kwh ~ 14Kwh

Movable Mounted



Models	DL-LFP-LVM10 /15 /15L				
Product Specification	51.2V 200Ah	51.2V 230Ah	51.2V 280Ah	51.2V 305Ah	51.2V 314Ah
Nominal Voltage	51.2V	51.2V	51.2V	51.2V	51.2V
Nominal Capacity	200Ah	230Ah	280Ah	305Ah	314Ah
Battery Energy	10.24Kwh	11.776Kwh	14.336Kwh	15.616Kwh	16.078Kwh
Max Charge Current	100A*				
Max Discharge Current	200A*				
Recommended load	5~8Kw				
Charging Cut-off Voltage	54V± 0.2V				
Discharging Cut-off Voltage	42V± 0.2V				
Cell Type	LiFePO4 Battery				
Terminal	M8				
Case Material	Metal Box				
Communication Mode	RS485/CAN				
Charge Temperature Range	0~45℃				
Discharge Temperature Range	-5~55℃				
Cycle Life	≥6500 Cycles				
Designed Life	12 Years				
Colour	white / white+black /black+orange				
Weight	90±1Kg	93.5±1Kg	115±1Kg	117.5±1Kg	119±1Kg
Dimensions(LxWxH)	640*260*550/615mm				
Assembly Method	Movable				

\* This is the theoretical current value after batteries are connected in series. There will be a certain error due to external wire length and other factors.

MOVABLE HOME ENERGY STORAGE BATTERY



Product Features

- Movable
- Built-in BMS
- Energy dense
- Long cycle life
- Support customization
- Support for Parallel Connection
- Supports Inverter Communications

Applicable Scope

- Household Energy Storage
- UPS System
- Solar Storage
- Central Office
- Base Transceiver Station
- Electric Power System
- Telecommunication Systems
- Communication Equipments
- Switching Applications and More

10Kwh ~ 15Kwh

Movable Mounted



Models	DL-LFP-LVM10		DL-LFP-LVM15	
Product Specification	51.2V 200Ah	51.2V 230Ah	51.2V 280Ah	51.2V 300Ah
Nominal Voltage	51.2V	51.2V	51.2V	51.2V
Nominal Capacity	200Ah	230Ah	280Ah	300Ah
Battery Energy	10.24Kwh	11.77Kwh	14.33Kwh	15.36Kwh
Max Charge Current	100A*			
Max Discharge Current	200A*			
Recommended load	5~8Kw			
Charging Cut-off Voltage	57.6V± 0.2V			
Discharging Cut-off Voltage	44.8V± 0.2V			
Cell Type	LiFePO4 Battery			
Terminal	M8			
Case Material	Metal Box			
Communication Mode	RS485/CAN			
Charge Temperature Range	0~45℃			
Discharge Temperature Range	-5~55℃			
Cycle Life	≥6500 Cycles			
Designed Life	12 Years			
Colour	white			
Weight	≈ 90Kg	≈ 92Kg	≈ 108Kg	≈ 110Kg
Dimensions(LxWxH)	436*262*740mm		436*262*890mm	
Assembly Method	Movable			

\* This is the theoretical current value after batteries are connected in series. There will be a certain error due to external wire length and other factors.

STACKABLE & WALL MOUNTED ENERGY STORAGE BATTERIES



Product Features

- Stackable & Wall Mounted
- Built-in BMS
- Energy dense
- Long cycle life
- Support customization
- Support for Parallel Connection
- Supports Inverter Communications

Applicable Scope

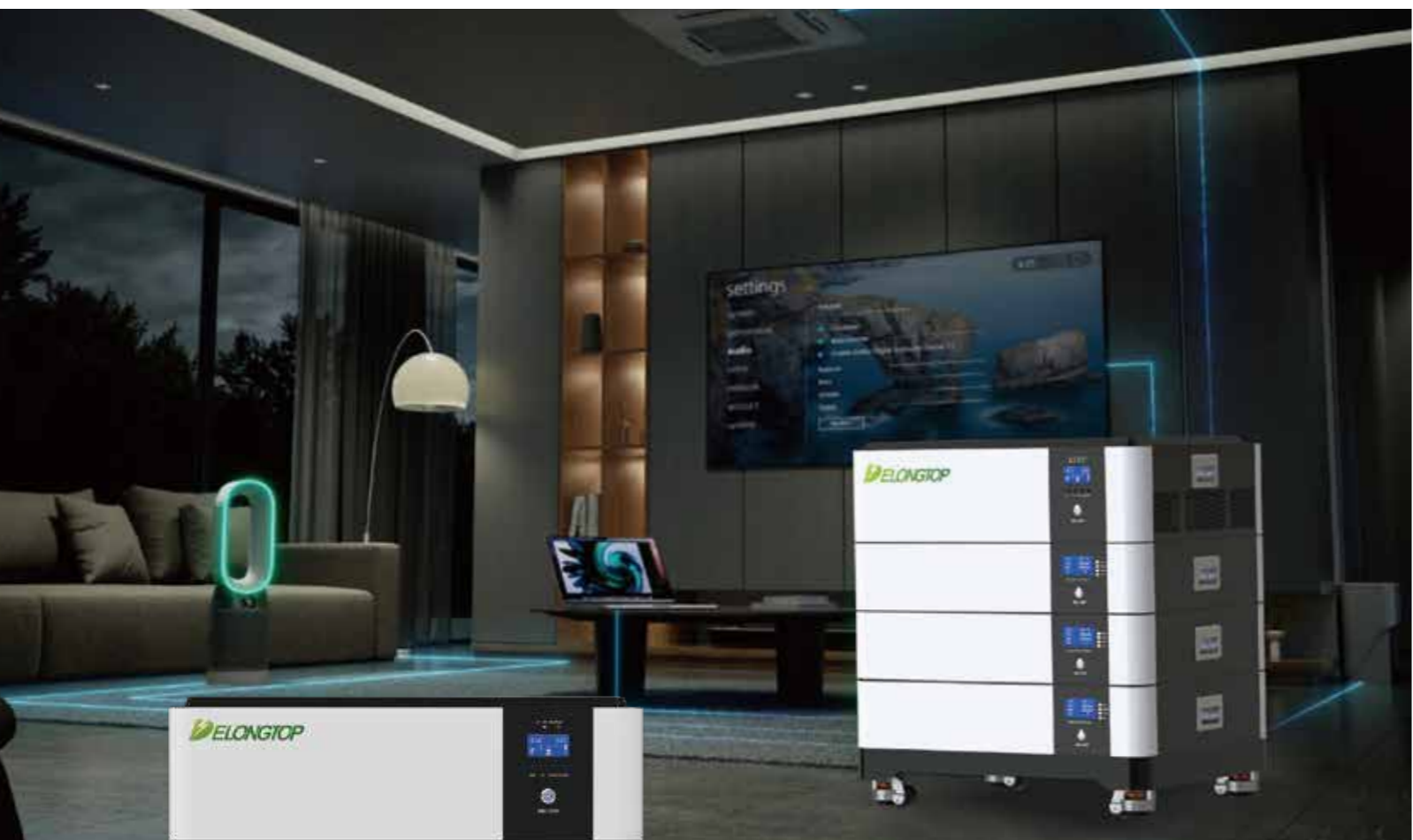
- Household Energy Storage
- UPS System
- Solar Storage
- Central Office
- Base Transceiver Station
- Electric Power System
- Telecommunication Systems
- Communication Equipments
- Switching Applications and More

Models	DL-LFP48100		
Product Specification	48V 100Ah x 1P	48V 100Ah x 2P	48V 100Ah x 3P
Nominal Voltage	48V	48V	48V
Nominal Capacity	100Ah	200Ah	300Ah
Battery Energy	4.8Kwh	9.6Kwh	14.4Kwh
Max Charge Current	70A	140A*	210A*
Max Discharge Current	100A	200A*	300A*
Recommended load	2~3Kw	3~6Kw	5~10Kw
Charging Cut-off Voltage	54.6V± 0.2V		
Discharging Cut-off Voltage	42.8V± 0.2V		
Cell Type	LiFePO4 Battery		
Terminal	M8		
Case Material	Metal Box		
Communication Mode	RS485/CAN		
Charge Temperature Range	0~45℃		
Discharge Temperature Range	-5~55℃		
Cycle Life	≥6500 Cycles		
Designed Life	12 Years		
Colour	white +black		
Weight	43±0.5Kg	86±0.5Kg	129±0.5Kg
Dimensions(LxWxH)	483*220*460/490mm	483*220*940mm	483*220*1400mm
Assembly Method	Stackable & Wall Mounted / Stackable		

Models	DL-LFP51100		
Product Specification	51.2V 100Ah x 1P	51.2V 100Ah x 2P	51.2V 100Ah x 3P
Nominal Voltage	51.2V	51.2V	51.2V
Nominal Capacity	100Ah	200Ah	300Ah
Battery Energy	5.12Kwh	10.24Kwh	15.36Kwh
Max Charge Current	70A	140A*	210A*
Max Discharge Current	100A	200A*	300A*
Recommended load	3~5Kw	5~8Kw	5~12Kw
Charging Cut-off Voltage	57.6V± 0.2V		
Discharging Cut-off Voltage	44.8V± 0.2V		
Cell Type	LiFePO4 Battery		
Terminal	M8		
Case Material	Metal Box		
Communication Mode	RS485/CAN		
Charge Temperature Range	0~45℃		
Discharge Temperature Range	-5~55℃		
Cycle Life	≥6500 Cycles		
Designed Life	12 Years		
Colour	white +black		
Weight	47.5±0.5Kg	92.5±0.5Kg	145.5±0.5Kg
Dimensions(LxWxH)	483*220*460/490mm	483*220*940mm	483*220*1400mm
Assembly Method	Stackable & Wall Mounted / Stackable		

\* This is the theoretical current value after batteries are connected in series. There will be a certain error due to external wire length and other factors.

ALL IN ONE (Home Energy Storage Battery + 10Kw Inverter)



Product Features

- Stackable & Movable
- Superimposed Inverter
- Battery Built-in BMS
- Support for Parallel Connection
- Energy Dense Battery Cell
- Long Cycle Life
- Support Customization

Applicable Scope

- Household Energy Storage
- 200~240V Output
- Solar Storage
- Central Office
- Base Transceiver Station
- Telecommunication Systems
- Communication Equipments
- Switching Applications and More

Household Energy Storage System with Off Grid Inverter (ESS)					
Item		Model	10Kwh+10Kw	20Kwh+10Kw	30Kwh+10Kw
Battery Module		Voltage	51.2V		
		Battery Capacity	DL-LFP-HS51200 x 1 200Ah	DL-LFP-HS51200 x 2 400Ah	DL-LFP-HS51200 x 3 600Ah
		Battery Energy	10.24Kwh	20.48Kwh	30.72Kwh
		Charging Cut-off Voltage	57.6V ± 0.2V		
		Discharge cut-off Voltage	44.8V ± 0.2V		
		Charge Current	80A		
		Max Charge Current	100A		
		Discharge Current	200A		
		Max Discharge Current	205A(100mS)		
		Communication Method	RS485/CAN		
Inverter	PV Input	Input Power (PV)	5000W * 2		
		Input Voltage Range (PV)	450VDC		
		MPPT Voltage Range	120-430VDC		
		PV Max Charging Current	0~80A (To be set)		
	AC Input	Rating Input Voltage	200V~240VAC		
		Input Voltage Range	(USP)185-280VAC / (APL)90-280 VAC (To be set)		
		Input Frequency Range	40-70 Hz (Auto test)		
		Rating Input Current	22.7A		
		Max Input Current	40A		
	AC Output	Rating Output Power	10000W		
		Rating Output Voltage	220VAC(208/220/230/240 Vac To be set)		
		Output Waveform	Pure Sine Wave		
		Switch Time	Typical 10ms		
		Rating Output Frequency	50/60Hz (To be set)		
		Summit Efficiency	>93%		
		Communication Method	RS485/CAN/Wifi		
Parameter		Material / Colour	Metal / White+Black		
		Size	690*590*490mm	690*590*640mm	690*590*790mm
		Weight	123Kg ± 2Kg	200Kg ± 2Kg	275Kg ± 2Kg
		Temperture	Charge: 0°C-50°C / Discharge:-5°C-55°C		

ALL IN ONE (Home Energy Storage Battery + 5Kw Inverter)



Product Features

- Stackable
- Superimposed Inverter
- Battery Built-in BMS
- Support for Parallel Connection
- Energy Dense Battery Cell
- Long Cycle Life
- Support Customization

Applicable Scope

- Household Energy Storage
- 110V/220V Output
- Solar Storage
- Central Office
- Base Transceiver Station
- Telecommunication Systems
- Communication Equipments
- Switching Applications and More

Household Energy Storage System with Off Grid Inverter (ESS)					
Item		Model	5Kwh+5Kw	10Kwh+5Kw	15Kwh+5Kw
Battery Module		Voltage	51.2V		
		Battery Capacity	DL-LFP-HS51100 x 1 100Ah	DL-LFP-HS51100 x 2 200Ah	DL-LFP-HS51100 x 3 300Ah
		Battery Energy	5.12Kwh	10.24Kwh	15.36Kwh
		Charging Cut-off Voltage	57.6V ± 0.2V		
		Discharge cut-off Voltage	44.8V ± 0.2V		
		Charge Current	40A		
		Max Charge Current	70A		
		Discharge Current	100A		
		Max Discharge Current	150A(100ms)		
		Communication Method	RS485/CAN		
Inverter	PV Input	Input Power (PV)	5000W / 5500W (max)		
		Input Voltage Range (PV)	450VDC		
		MPPT Voltage Range	120-430VDC		
		PV Max Charging Current	0~80A (To be set)		
	AC Input	Rating Input Voltage	200V~240VAC		
		Input Voltage Range	(USP)185-280VAC / (APL)90-280 VAC (To be set)		
		Input Frequency Range	40-70 Hz (Auto test)		
		Rating Input Current	22.7A		
		Max Input Current	40A		
	AC Output	Rating Output Power	5000W		
		Rating Output Voltage	220VAC(208/220/230/240 Vac To be set)		
		Output Waveform	Pure Sine Wave		
		Switch Time	Typical 10ms		
		Rating Output Frequency	50/60Hz (To be set)		
		Summit Efficiency	>93%		
		Communication Method	RS485/CAN/Wifi		
Parameter		Material / Colour	Metal / White+Black		
		Size	483*200*940mm	483*200*1390mm	483*200*1840mm
		Weight	62Kg ± 2Kg	107Kg ± 2Kg	152Kg ± 2Kg
		Temperture	Charge: 0°C-50°C / Discharge:-5°C-55°C		

WALL MOUNTED HOME ENERGY STORAGE BATTERIES



Product Features

- Wall Mounted
- Built-in BMS
- Energy dense
- Long cycle life
- Support customization
- Support for Parallel Connection
- Supports Inverter Communications

Applicable Scope

- Household Energy Storage
- UPS System
- Solar Storage
- Central Office
- RV Energy Storage
- Tent Car Energy Storage
- Telecommunication Systems
- Communication Equipments
- Switching Applications and More

Models	DL-LFP25100	DL-LFP25120
Product Specification	25.6V 100Ah	25.6V 120Ah
Nominal Voltage	25.6V	25.6V
Nominal Capacity	100Ah	120Ah
Battery Energy	2.56Kwh	3.072Kwh
Max Charge Current	70A	70A
Max Discharge Current	100A	100A
Recommended load	< 2.5Kw	< 3Kw
Charging Cut-off Voltage	28.8V± 0.2V	28.2V± 0.2V
Discharging Cut-off Voltage	22.4V± 0.2V	22.4V± 0.2V
Cell Type	LiFePO4 Battery	
Terminal	M8	
Case Material	Metal Box	
Communication Mode	RS485/CAN (Optional with Communication)	
Charge Temperature Range	0~45℃	
Discharge Temperature Range	-5~55℃	
Cycle Life	≥6500 Cycles	
Designed Life	12 Years	
Colour	white + black	
Weight	32±0.5Kg	36±0.5Kg
Dimensions(LxWxH)	483*175*450mm	483*175*450mm
Assembly Method	Wall Mounted	

Models	DL-LFP4850	DL-LFP5150
Product Specification	48V 50Ah	51.2V 50Ah
Nominal Voltage	48V	51.2V
Nominal Capacity	50Ah	50Ah
Battery Energy	2.4Kwh	2.56Kwh
Max Charge Current	30A	70A
Max Discharge Current	50A	100A
Recommended load	< 2.5Kw	2~5Kw
Charging Cut-off Voltage	54.6V± 0.2V	57.6V± 0.2V
Discharging Cut-off Voltage	42.8V± 0.2V	44.8V± 0.2V
Cell Type	LiFePO4 Battery	
Terminal	M8	
Case Material	Metal Box	
Communication Mode	RS485/CAN (Optional with Communication)	
Charge Temperature Range	0~45℃	
Discharge Temperature Range	-5~55℃	
Cycle Life	≥6500 Cycles	
Designed Life	12 Years	
Colour	white + black	
Weight	30.5±0.5Kg	32±0.5Kg
Dimensions(LxWxH)	483*175*450mm	483*175*450mm
Assembly Method	Wall Mounted	

WALL MOUNTED HOME ENERGY STORAGE BATTERIES



Product Features

- Wall Mounted
- Built-in BMS
- Energy dense
- Long cycle life
- Support customization
- Support for Parallel Connection
- Supports Inverter Communications

Applicable Scope

- Household Energy Storage
- UPS System
- Solar Storage
- Central Office
- Base Transceiver Station
- Electric Power System
- Telecommunication Systems
- Communication Equipments
- Switching Applications and More

5Kwh Solid-state batteries



Models	LVSW5.0
Product Specification	51.2V 100Ah
Nominal Voltage	51.2V
Nominal Capacity	100Ah
Battery Energy	5.12Kwh
Charging Cut-off Voltage	54V± 0.2V
Discharging Cut-off Voltage	42V± 0.2V
Charge Current	Recommend / 30A ; Max. / 50A
Discharge Current	Recommend / 50A ; Max. / 100A; Peak / 105A[5 sec.]
Recommended load	3~5Kw
Cell Type	LiFePO4 (Solid-state) Battery
Terminal	M8
Case Material	Metal Box
Communication Mode	RS485/CAN
Charge Temperature Range	0~45℃
Discharge Temperature Range	-5~55℃
Cycle Life	≥6500 Cycles
Designed Life	12 Years
Colour	white
Weight	≈ 49.5Kg
Dimensions(LxWxH)	480*160*600mm
Assembly Method	Wall-Mounted

\* This is the theoretical current value after batteries are connected in series. There will be a certain error due to external wire length and other factors.

WALL MOUNTED HOME ENERGY STORAGE BATTERIES



Product Features

- Wall Mounted
- Built-in BMS
- Energy dense
- Long cycle life
- Support customization
- Support for Parallel Connection
- Supports Inverter Communications

Applicable Scope

- Household Energy Storage
- UPS System
- Solar Storage
- Central Office
- Base Transceiver Station
- Electric Power System
- Telecommunication Systems
- Communication Equipments
- Switching Applications and More

Models	DL-LFP48200
Product Specification	48V 200Ah
Nominal Voltage	48V
Nominal Capacity	200Ah
Battery Energy	9.6Kwh
Max Charge Current	100A
Max Discharge Current	200A
Recommended load	5~8Kw
Charging Cut-off Voltage	54V± 0.2V
Discharging Cut-off Voltage	42V± 0.2V
Cell Type	LiFePO4 Battery
Terminal	M8
Case Material	Metal Box
Communication Mode	RS485 / CAN
Charge Temperature Range	0~45°C
Discharge Temperature Range	-5~55°C
Cycle Life	≥6500 Cycles
Designed Life	12 Years
Colour	white +black
Weight	73.5±0.5Kg
Dimensions(LxWxH)	560*760*160/195mm
Assembly Method	Wall Mounted

Models	DL-LFP51200
Product Specification	51.2V 200Ah
Nominal Voltage	51.2V
Nominal Capacity	200Ah
Battery Energy	10.24Kwh
Max Charge Current	100A
Max Discharge Current	200A
Recommended load	5~8Kw
Charging Cut-off Voltage	57.6V± 0.2V
Discharging Cut-off Voltage	44.8V± 0.2V
Cell Type	LiFePO4 Battery
Terminal	M8
Case Material	Metal Box
Communication Mode	RS485/CAN
Charge Temperature Range	0~45°C
Discharge Temperature Range	-5~55°C
Cycle Life	≥6500 Cycles
Designed Life	12 Years
Colour	white + black
Weight	80±0.5Kg
Dimensions(LxWxH)	560*760*160/195mm
Assembly Method	Wall Mounted

WALL MOUNTED HOME ENERGY STORAGE BATTERIES



Product Features

- Wall Mounted
- Built-in BMS
- Energy dense
- Long cycle life
- Support customization
- Support for Parallel Connection
- Supports Inverter Communications

Applicable Scope

- Household Energy Storage
- UPS System
- Solar Storage
- Central Office
- Base Transceiver Station
- Electric Power System
- Telecommunication Systems
- Communication Equipments
- Switching Applications and More

Models	DL-LFP-HW48200	DL-LFP-HW51200
Product Specification	48V 200Ah	51.2V 200Ah
Nominal Voltage	48V	51.2V
Nominal Capacity	200Ah	200Ah
Battery Energy	9.6Kwh	10.24Kwh
Max Charge Current	100A	100A
Max Discharge Current	200A	200A
Recommended load	5~8Kw	5~8Kw
Charging Cut-off Voltage	54V± 0.2V	57.6V± 0.2V
Discharging Cut-off Voltage	42V± 0.2V	44.8V± 0.2V
Cell Type	LiFePO4 Battery	
Terminal	M8	
Case Material	Metal Box	
Communication Mode	RS485/CAN (Optional with Communication)	
Charge Temperature Range	0~45℃	
Discharge Temperature Range	-5~55℃	
Cycle Life	≥6500 Cycles	
Designed Life	12 Years	
Colour	white +black	
Weight	73.5±0.5Kg	77±0.5Kg
Dimensions(LxWxH)	730*475*145/180mm	730*475*145/180mm
Assembly Method	Wall Mounted	

Models	DL-LFP-HW25200
Product Specification	25.6V 200Ah
Nominal Voltage	25.6V
Nominal Capacity	200Ah
Battery Energy	5.12Kwh
Max Charge Current	100A
Max Discharge Current	200A
Recommended load	3~5Kw
Charging Cut-off Voltage	28.8V± 0.2V
Discharging Cut-off Voltage	22.4V± 0.2V
Cell Type	LiFePO4 Battery
Terminal	M8
Case Material	Metal Box
Communication Mode	RS485/CAN
Charge Temperature Range	0~45℃
Discharge Temperature Range	-5~55℃
Cycle Life	≥6500 Cycles
Designed Life	12 Years
Colour	white +black
Weight	36±0.5Kg
Dimensions(LxWxH)	730*330*145/180mm
Assembly Method	Wall Mounted

WALL MOUNTED HOME ENERGY STORAGE BATTERIES



Product Features

- Wall Mounted
- Built-in BMS
- Energy dense
- Long cycle life
- Support customization
- Support for Parallel Connection
- Supports Inverter Communications

Applicable Scope

- Household Energy Storage
- UPS System
- Solar Storage
- Central Office
- Base Transceiver Station
- Electric Power System
- Telecommunication Systems
- Communication Equipments
- Switching Applications and More

Models	DL-LFP24100J	DL-LFP4850J	DL-LFP5150J
Product Specification	25.6V 100Ah	48V 50Ah	51.2V 50Ah
Nominal Voltage	25.6V	48V	51.2V
Nominal Capacity	100Ah	50Ah	50Ah
Battery Energy	2.56Kwh	2.4Kwh	2.56Kwh
Max Charge Current	70A	20A	70A
Max Discharge Current	100A	50A	100A
Recommended load	< 2Kw	< 2Kw	2~3Kw
Charging Cut-off Voltage	28.8V± 0.2V	54V± 0.2V	57.6V± 0.2V
Discharging Cut-off Voltage	22.4V± 0.2V	42V± 0.2V	44.8V± 0.2V
Cell Type	LiFePO4 Battery		
Terminal	M8		
Case Material	Metal Box		
Communication Mode	/	/	RS485/CAN
Charge Temperature Range	0~45℃		
Discharge Temperature Range	-5~55℃		
Cycle Life	≥6500 Cycles		
Designed Life	12 Years		
Colour	white + black		
Weight	27.5±0.5Kg		
Dimensions(LxWxH)	400*400*125/155mm		
Assembly Method	Wall Mounted		

Models	DL-LFP24200J	DL-LFP48100J	DL-LFP51100J
Product Specification	25.6V 200Ah	48V 100Ah	51.2V 100Ah
Nominal Voltage	25.6V	48V	51.2V
Nominal Capacity	200Ah	100Ah	100Ah
Battery Energy	5.12Kwh	4.8Kwh	5.12Kwh
Max Charge Current	40A/70A	70A	70A
Max Discharge Current	100A/200A	100A	100A
Recommended load	2~4Kw	2~4Kw	2~5Kw
Charging Cut-off Voltage	28.8V± 0.2V	54V± 0.2V	57.6V± 0.2V
Discharging Cut-off Voltage	22.4V± 0.2V	42V± 0.2V	44.8V± 0.2V
Cell Type	LiFePO4 Battery		
Terminal	M8		
Case Material	Metal Box		
Communication Mode	/	/	RS485/CAN
Charge Temperature Range	0~45℃		
Discharge Temperature Range	-5~55℃		
Cycle Life	≥6500 Cycles		
Designed Life	12 Years		
Colour	white +black		
Weight	52±0.5Kg	50±0.5Kg	52Kg
Dimensions(LxWxH)	480*400*185/210mm		
Assembly Method	Wall Mounted		

HIGH VOLTAGE ENERGY STORAGE BATTERY



Product Features

- Rack Mounted
- Built-in BMS
- Energy dense
- Long cycle life
- Climate tolerant
- Maintenance-free
- Support customization
- Support parallel operation

Applicable Scope

- UPS
- Solar storage
- Central office
- Base transceiver station
- Electronic cash registers
- Telecommunication systems
- Communication equipments
- Switching applications and more
- Microprocessor based office machine

10Kwh ~ 30Kwh

High Voltage Energy Storage Battery



Battery Module	DL-LFP-HV16-5 / 10		
Number of Modules	4	5	6
Energy Capacity	10.24 / 20.48kWh	12.8 / 25.6kWh	15.36 / 30.72kWh
Max. Output Current	25A / 50A	25A / 50A	25A / 50A
Nominal Voltage	204.8V	256V	307.2V
Operating Voltage	192~224V	240~280V	288~336V
Dimensions (L/D/W)	668(808)*260*980mm	668(808)*260*1152mm	668(808)*260*1324mm
Weight(KG)	≈144 / 241Kg	≈174 / 293Kg	≈204 / 345Kg
Battery Cell Type	LiFePO4 Battery(Lithium iron phosphate battery)		
Standard Charge / Discharge Current	20A / 0.3C		
Enclosure Protection Rating	IP20		
Round-trip Efficiency	≥95%		
Operation Tem.	-10°C to +50°C		
Applications	ON Grid / ON Grid + Backup / OFF Grid		
Communication Port	CAN / RS485		
BMS Monitoring Parameters	SOC, System voltage, Current, Cell voltage, Cell temperature		
Certification & Licensing	CE / UN38.3 / MSDS		

\* Usable DC capacitance,tese conditions:100% DOD,0.2C charge and discharge at +25°C; usable capacitance may depend on inverter

\* Power is throttled from -10°C to 5 °C

HIGH VOLTAGE ENERGY STORAGE BATTERY



Product Features

- Rack Mounted
- Built-in BMS
- Energy dense
- Long cycle life
- Climate tolerant
- Maintenance-free
- Support customization
- Support parallel operation

Applicable Scope

- UPS
- Solar storage
- Central office
- Base transceiver station
- Electronic cash registers
- Telecommunication systems
- Communication equipments
- Switching applications and more
- Microprocessor based office machine

20Kwh ~ 61Kwh

High Voltage Energy Storage Battery








Battery Module	DL-LFP-HV32-10				
Number of Modules	2	3	4	5	6
Energy Capacity	20.48kWh	30.72kWh	40.96kWh	51.2kWh	61.44kWh
Max. Output Current	50A	50A	50A	50A	50A
Nominal Voltage	204.8V	307.2V	409.6V	512V	614.4V
Operating Voltage	192~224V	288~336V	384~448V	480~560V	576~672V
Dimensions (L/D/W)	780*520*590mm	780*520*755mm	780*520*920mm	780*520*1085mm	780*520*1250mm
Weight(KG)	≈242Kg	≈327Kg	≈412Kg	≈497Kg	≈582Kg
Battery Cell Type	LiFePO4 Battery(Lithium iron phosphate battery)				
Standard Charge / Discharge Current	30A / 0.3C				
Enclosure Protection Rating	IP20				
Round-trip Efficiency	≥95%				
Operation Tem.	-10°C to +50°C				
Applications	ON Grid / ON Grid + Backup / OFF Grid				
Communication Port	CAN/RS485				
BMS Monitoring Parameters	SOC,System voltage,Current,Cell voltage, Cell temperature				
Certification & Licensing	CE / UN38.3 / MSDS				

\* Usable DC capacitance,tese conditions:100% DOD,0.2C charge and discharge at +25°C; usable capacitance may depend on inverter

\* Power is throttled from -10°C to 5 °C

ENERGY STORAGE SYSTEM WITH EV CHARGER



-  PV, Storage, EV charging and Power distribution Integrated.
-  Controlled by built-in DSP and adopt advanced SPWM technology.
-  Modular design for good expansibility, up to 6 battery modules in parallel.
-  Easy Installation within 20 minutes individually.
-  24-hour real-time online monitoring.

DL-ESSC-AOE7000

Inverter Data	
Max. Input Power(W)	7000W
PV Input Voltage Range(V)	150 ~ 500
MPPT Operating Voltage Range(V)	120 ~ 430
Number of MPPT Trackers	2
Number of Strings per MPPT	1
Max. Input Current per MPPT	15A / 15A
Nominal Utility Grid Voltage(V)	220 / 230 / 240
Nominal Utility Grid Frequency(Hz)	50 / 60
Rated Power Output to Utility Grid(W)	5000
Max. Apparent Power Output to Utility Grid(VA)	5500
Back-up Rated Power(W)	4500
Switch Time	<10ms
Battery Data	
Battery Type	LiFePO4
Single Battery Energy(kWh)	5.12
No. of Expandable Batteries	6
Usable Energy Range(kWh)	5.1~30.72
Battery Voltage Range(V)	41.6~58.5
EV Charger Data	
Rated Power(W)	7000
Nominal Voltage(V)	220 / 230 / 240
Nominal Frequency(Hz)	50 / 60
Operation Mode	Swipe card / APP control / Insert charger plug to start automatically / Schedule appointment for charging.
Output cable	5m AC charging cable
Convetion Efficiency	
Max. Efficiency	98%
EU Efficiency	97%
Max. Battery to AC Efficiency	95%
MPPT Efficiency	99.9%
System Data	
Operating Temperature Range (°C)	-25~55°C
Relative Humidity	≤95 % (25°C)
Vibration	<0.5G
Noise	<35dB
Installation Altitude above Sea Level	<2000m
Protection Level	IP65
Cooling Mode	Natural Cooling
Communication	RS485/CAN/WiFi
Inverter Dimensions (W x H x D mm)	645 * 557 * 370
EV Charger Dimensions (W x H x D mm)	650 * 270 * 370
Single Battery Dimensions (W x H x D mm)	585 * 270 * 370
Base Dimensions (W x H x D mm)	680 * 110 * 378

BE SERIES RACK MOUNTED ENERGY STORAGE



Product Features

- Rack Mounted
- Built-in BMS
- Energy dense
- Long cycle life
- Climate tolerant
- Maintenance-free
- Support customization
- Support parallel operation

Applicable Scope

- UPS
- Solar storage
- Central office
- Base transceiver station
- Electronic cash registers
- Telecommunication systems
- Communication equipments
- Switching applications and more
- Microprocessor based office machine

5Kwh ~ 25Kwh

Rack Mounted Solar Energy Storage Battery



Models	DL-LFP-BE51100			
Product Specification	51.2V 100Ah x 1P	51.2V 100Ah x 2P	51.2V 100Ah x 3P	51.2V 100Ah x 5P
Nominal Voltage	51.2V	51.2V	51.2V	51.2V
Nominal Capacity	100Ah	200Ah	300Ah	500Ah
Battery Energy	5.12Kwh	10.24Kwh	15.36Kwh	25.6Kwh
Max Charge Current	70A	140A*	210A*	350A*
Max Discharge Current	100A	200A*	300A*	500A*
Recommended load	2~4Kw	3~6Kw	5~8Kw	6~12Kw
Charging Cut-off Voltage	57.6V± 0.2V			
Discharging Cut-off Voltage	44.8V± 0.2V			
Cell Type	LiFePO4 Battery			
Terminal	M8			
Case Material	Metal Box			
Communication Mode	RS485/CAN			
Charge Temperature Range	0~45℃			
Discharge Temperature Range	-5~55℃			
Cycle Life	≥6500 Cycles			
Designed Life	12 Years			
Colour	black			
Weight (Without Rack)	45.5±0.5Kg	91.5±0.5Kg	136.5±0.5Kg	227.5±0.5Kg
Dimensions(LxWxH)/Without Rack	482/438*420*177mm	482/438*420*354mm	482/438*420*531mm	482/438*420*885mm
Dimensions(LxWxH)/With Rack	502*425*202mm	502*425*404mm	502*425*606mm	502*425*1010mm
Assembly Method	Rack / Cabinet			

\* This is the theoretical current value after batteries are connected in series. There will be a certain error due to external wire length and other factors.

BE SERIES RACK MOUNTED ENERGY STORAGE



Product Features

- Rack Mounted
- Built-in BMS
- Energy dense
- Long cycle life
- Climate tolerant
- Maintenance-free
- Support customization
- Support parallel operation

Applicable Scope

- UPS
- Solar storage
- Central office
- Base transceiver station
- Electronic cash registers
- Telecommunication systems
- Communication equipments
- Switching applications and more
- Microprocessor based office machine

10Kwh ~ 40Kwh

Rack Mounted Solar Energy Storage Battery



Models	BE Series Rack Mounted Energy Storage			
Product Specification	51.2V 200Ah x 1P	51.2V 200Ah x 2P	51.2V 200Ah x 3P	51.2V 200Ah x 4P
Nominal Voltage	51.2V	51.2V	51.2V	51.2V
Nominal Capacity	200Ah	400Ah	600Ah	800Ah
Battery Energy	10.24Kwh	20.56Kwh	30.72Kwh	40.96Kwh
Max Charge Current	100A	200A*	300A*	400A*
Max Discharge Current	200A	400A*	600A*	800A*
Recommended load	5~8Kw	5~10Kw	8~12Kw	10~20Kw
Charging Cut-off Voltage	57.6V± 0.2V			
Discharging Cut-off Voltage	44.8V± 0.2V			
Cell Type	LiFePO4 Battery			
Terminal	M8			
Case Material	Metal Box			
Communication Mode	RS485/CAN			
Charge Temperature Range	0~45℃			
Discharge Temperature Range	-5~55℃			
Cycle Life	≥6500 Cycles			
Designed Life	12 Years			
Colour	black			
Weight (Without Rack)	79.5±0.5Kg	159.5±0.5Kg	238.5±0.5Kg	397.5±0.5Kg
Dimensions(LxWxH)/Without Rack	482/438*540*240mm	482/438*540*480mm	482/438*540*720mm	482/438*540*960mm
Dimensions(LxWxH)/With Rack	502*545*265mm	502*545*530mm	502*545*795mm	502*545*1056mm
Assembly Method	Rack / Cabinet			

\* This is the theoretical current value after batteries are connected in series. There will be a certain error due to external wire length and other factors.

BE SERIES RACK MOUNTED ENERGY STORAGE



Product Features

- Rack Mounted
- Built-in BMS
- Energy dense
- Long cycle life
- Climate tolerant
- Maintenance-free
- Support customization
- Support parallel operation

Applicable Scope

- UPS
- Solar storage
- Central office
- Base transceiver station
- Electronic cash registers
- Telecommunication systems
- Communication equipments
- Switching applications and more
- Microprocessor based office machine

15Kwh ~ 45Kwh

Rack Mounted Solar Energy Storage Battery



Models	DL-LFP-HS51300		
Product Specification	51.2V 300Ah x 1P	51.2V 300Ah x 2P	51.2V 300Ah x 3P
Nominal Voltage	51.2V	51.2V	51.2V
Nominal Capacity	300Ah	600Ah	900Ah
Battery Energy	15.36Kwh	30.72Kwh	46.08Kwh
Max Charge Current	100A	200A*	300A*
Max Discharge Current	200A	400A*	600A*
Recommended load	5~8Kw	6~12Kw	10~20Kw
Charging Cut-off Voltage	57.6V± 0.2V		
Discharging Cut-off Voltage	44.8V± 0.2V		
Cell Type	LiFePO4 Battery		
Terminal	M8		
Case Material	Metal Box		
Communication Mode	RS485/CAN		
Charge Temperature Range	0~45℃		
Discharge Temperature Range	-5~55℃		
Cycle Life	≥6500 Cycles		
Designed Life	12 Years		
Colour	black		
Weight (Without Rack)	108.5±0.5Kg	216.5±0.5Kg	325.5±0.5Kg
Dimensions(LxWxH)/Without Rack	482/438*682*240mm	482/438*682*480mm	482/438*682*720mm
Dimensions(LxWxH)/With Rack	502*682*265mm	502*682*530mm	502*682*795mm
Assembly Method	Rack / Cabinet		

\* This is the theoretical current value after batteries are connected in series. There will be a certain error due to external wire length and other factors.

AIR-COOLED ENERGY STORAGE SYSTEM



Product Features

- Rack Mounted
- Built-in BMS
- Energy dense
- Long cycle life
- Climate tolerant
- Maintenance-free
- Support customization
- Support parallel operation

Applicable Scope

- UPS
- Solar storage
- Central office
- Base transceiver station
- Electronic cash registers
- Telecommunication systems
- Communication equipments
- Switching applications and more
- Microprocessor based office machine



Product Model	DL-F4020A-ESS	DL-F5730A-ESS
Product Size(HxWxD)	2050*900*900mm	2500*900*900mm
Product Energy	40Kwh	57Kwh
Nominal Power	20kW	30kW
Nominal Voltage	220VAC , 50/60Hz	380VAC , 50/60Hz
Battery System	43.2V-57.6V , 4P16S	172.8V-230.4V , 1P64S
PACK Type	LFP3.2V/200Ah,1P16S	LFP3.2V/280Ah,1P16S
Fire Protection System	Hot Melt Adhesive	Hot Melt Adhesive
Cooling Method	Air-cooled Air Conditioner 1500W	Air-cooled Air Conditioner 2000W
Environmental Temperature	-40~55°C	-40~55°C

Product Model	DL-F10050B-ESS (Isolation Transformer)	DL-F215100A-ESS
Product Size(HxWxD)	2100*1100*1000mm	2360*1600*1000mm
Product Energy	100Kwh	215Kwh
Nominal Power	50kW	100kW
Nominal Voltage	380VAC , 50/60Hz	380VAC , 50/60Hz
Battery System	302.4V-403.2V , 1P112S	648V-864V , 1P240S
PACK Type	LFP3.2V/280Ah,1P16S	LFP3.2V/280Ah,1P16S
Fire Protection System	Hot Melt Adhesive/ Heptafluoropropane /Perfluorohexane	Hot Melt Adhesive/ Heptafluoropropane /Perfluorohexane
Cooling Method	Air-cooled Air Conditioner 2000W	Air-cooled Air Conditioner 3000W/4000W
Environmental Temperature	-40~55°C	-40~55°C

12V BATTERY+1000W AC OUTPUT INVERTER



Applicable Scope

- Household Emergency
- Outdoor Standby
- RV / Tent Truck
- Camper
- Daily AC/DC Applications
- Household Energy Storage

Product Features

- Improved Design
- Easy to carry
- Built-in BMS
- Energy dense
- Long cycle life
- Easy to operate
- Support customization
- Environmental protection

Outdoor and Emergency Retrofitted Inverters

Item	Model	DL-LFP12 Plus-1000
Battery Module	Voltage	12.8V
	Battery Capacity	100Ah / 120Ah / 150Ah
	Battery Energy	1.28Kwh / 1.536Kwh / 1.92Kwh
	Charge Voltage	14.8V
	Discharge cut-off Voltage	9.2V
	Charge Current	40A
	Max Charge Current	70A
	Discharge Current	100A
	Max Discharge Current	150A (100ms)
	Communication Method	/
Inverter	Power	1000W
	Input Voltage (DC)	14.8VDC (Anderson SB50 Input)
	Output Voltage	200V~240VAC (Dual Port) Customizable specifications
	Frequency	50Hz (Support customization)
	DC Output	640W (Anderson SB50 Output)
	USB Output	5V2.4A (12W max)
	AC Efficiency	88%
Parameter	Material / Colour	Metal (Inverter box) / ABS+PC (Battery) / Black
	Size	329* 172* 320mm
	Weight	< 18Kg
	Temperature	Charge: 0°C-50°C Discharge:-5°C-55°C

LEAD ACID BATTERY REPLACED BY LITHIUM BATTERY



Applicable Scope

- UPS / Kids car
- Ice fishing / CCTV camera
- Solar light / Electric spray
- RV / AGV / Golf Cart
- Camper / Electric Boat
- Household Energy Storage

Product Features

- Easy to carry
- Built-in safety
- Energy dense
- Long cycle life
- Easy to operate
- Climate tolerant
- Support customization
- Environmental protection

Models	DL-LFP-RP1207	DL-LFP-RP1212	DL-LFP-RP1220	DL-LFP-RP1240
Product Specification	12V 7Ah	12V 12Ah	12V 20Ah	12V 40Ah
Nominal Voltage	12.8V	12.8V	12.8V	12.8V
Nominal Capacity	7Ah	12Ah	20Ah	40Ah
Battery Energy	89.6Wh	153.6Wh	256Wh	512Wh
Max Charge Current	4A	5A	10A	20A
Charging Cut-off Voltage	14.6V± 0.2V	14.6V± 0.2V	14.6V± 0.2V	14.6V± 0.2V
Max Discharge Current	7A	10A	20A	40A
Discharging Cut-off Voltage	9.2V± 0.2V	9.2V± 0.2V	9.2V± 0.2V	9.2V± 0.2V
Cell Type	LiFePO4 Battery		LiFePO4 Battery	LiFePO4 Battery
Display	/		/	/
Terminal	Faston 250 (F2)		M5	M6
Case Material	ABS+PC			
Waterproof Level	IP55			
Charge Temperature Range	0~45℃			
Discharge Temperature Range	-5~55℃			
Cycle Life	≥6500 Cycles			
Designed Life	12 Years			
Colour	Black			
Weight	0.76Kg	1.4Kg	2.2Kg	5.8Kg
Dimensions(LxWxH)	151*65*95mm	151*99*95mm	181*76*170mm	195*132*170mm
Assembly Method	Built in			

Models	DL-LFP-RP1275	DL-LFP-RP12100	DL-LFP-RP12120	DL-LFP-RP12200
Product Specification	12V 75Ah	12V 100Ah	12V 120Ah	12V 200Ah
Nominal Voltage	12.8V	12.8V	12.8V	12.8V
Nominal Capacity	75Ah	100Ah	120Ah	200Ah
Battery Energy	960Wh	1280Wh	1536Wh	2560Wh
Max Charge Current	30A	70A	70A	100A
Charging Cut-off Voltage	14.6V± 0.2V	14.6V± 0.2V	14.6V± 0.2V	14.6V± 0.2V
Max Discharge Current	80A	100A	100A	200A
Discharging Cut-off Voltage	9.2V± 0.2V	9.2V± 0.2V	9.2V± 0.2V	9.2V± 0.2V
Cell Type	LiFePO4 Battery			
Display	LCD (Optional)			
Terminal	M8			
Case Material	ABS+PC			
Waterproof Level	IP55			
Charge Temperature Range	0~45℃			
Discharge Temperature Range	-5~55℃			
Cycle Life	≥6500 Cycles			
Designed Life	12 Years			
Colour	Black			
Weight	9.8Kg	11.2Kg	≤ 16Kg	20Kg
Dimensions(LxWxH)	260*168*211mm	329*172*214mm	352*174*189mm	522*239*218mm
Assembly Method	Built in			

GOLF CART BATTERY



Applicable Scope

- AGV
- Forklift
- Golf cart
- Electric Boat

Product Features

- Built-in safety
- Energy dense
- Long cycle life
- Easy to operate
- Climate tolerant
- Support customization
- Environmental protection



Models	DL-GP5150	DL-GP51100
Product Specification	51.2V 50Ah	51.2V 100Ah
Nominal Voltage	51.2V	51.2V
Nominal Capacity	50Ah	100Ah
Battery Energy	2560Wh	5120Wh
Max Charge Current	20A	70A/100A
Charging Cut-off Voltage	57.6V± 0.2V	57.6V± 0.2V
Max Discharge Current	50A	100A/200A
Discharging Cut-off Voltage	44.8V± 0.2V	44.8V± 0.2V
Cell Type	LiFePO4 Battery	
Terminal	M8 screw / Anderson	
Case Material	Metal Box	
Communication Mode	RS485 or BT (Optional)	
Charge Temperature Range	0~45℃	
Discharge Temperature Range	-5~55℃	
Cycle Life	≥6500 Cycles	
Designed Life	12 Years	
Colour	Black	
Weight	25Kg	42Kg
Dimensions(LxWxH)	335*252*180mm	410*285*248mm
Assembly Method	M10 screw / Battery Compartment	

Models	DL-GP51150	DL-GP51200
Product Specification	51.2V 150Ah	51.2V 200Ah
Nominal Voltage	51.2V	51.2V
Nominal Capacity	150Ah	200Ah
Battery Energy	7680Wh	10240Wh
Max Charge Current	70A/100A	100A
Charging Cut-off Voltage	57.6V± 0.2V	57.6V± 0.2V
Max Discharge Current	100A/200A	200A
Discharging Cut-off Voltage	44.8V± 0.2V	44.8V± 0.2V
Cell Type	LiFePO4 Battery	
Terminal	M8 screw / Anderson	
Case Material	Metal Box	
Communication Mode	RS485 or BT (Optional)	
Charge Temperature Range	0~45℃	
Discharge Temperature Range	-5~55℃	
Cycle Life	≥6500 Cycles	
Designed Life	12 Years	
Colour	Black / white	
Weight	57Kg	78Kg
Dimensions(LxWxH)	600*275*290mm	560*360*252mm
Assembly Method	M10 Screw / Battery Compartment	

RV LIFEPO4 BATTERIES

Applicable Scope

- RV
- Camper
- Electric Boat
- Household Energy Storage

Product Features

- Easy to carry
- Built-in safety
- Energy dense
- Long cycle life
- Easy to operate
- Climate tolerant
- Support customization
- Environmental protection



Models	DL-LFP-RV12200	DL-LFP-RV12280
Product Specification	12V 200Ah	12V 280Ah
Nominal Voltage	12.8V	12.8V
Nominal Capacity	200Ah	280Ah
Battery Energy	2560Wh	3584Wh
Max Charge Current	70A	70A
Charging Cut-off Voltage	14.6V± 0.2V	14.6V± 0.2V
Max Discharge Current	200A	200A
Discharging Cut-off Voltage	9.2V± 0.2V	9.2V± 0.2V
Cell Type	LiFePO4 Battery	
Display	LCD	
Terminal	M8 / SB50/ SB120/ DC12V* 2	
Case Material	Metal Box	
Waterproof Level	/	
Charge Temperature Range	0~45℃	
Discharge Temperature Range	-5~55℃	
Cycle Life	≥6500 Cycles	
Designed Life	12 Years	
Colour	Black and white	Black / Orange
Weight	28Kg	34Kg
Dimensions(LxWxH)	700*395*62mm	520*160*270mm
Assembly Method	Wall Mounted	M10 Screw

AGV LIFEPO4 BATTERIES

Applicable Scope

- RV
- Camper
- Electric Boat
- Household Energy Storage

Product Features

- Easy to carry
- Built-in safety
- Energy dense
- Long cycle life
- Easy to operate
- Climate tolerant
- Support customization
- Environmental protection



Models	DL-LFP-AGV51200	DL-LFP-AGV5140
Product Specification	51.2V 200Ah	51.2V 40Ah
Nominal Voltage	51.2V	51.2V
Nominal Capacity	200Ah	40Ah
Battery Energy	10.24Kwh	2.048Kwh
Max Charge Current	100A	20A
Charging Cut-off Voltage	57.6V± 0.2V	57.6V± 0.2V
Max Discharge Current	200A	100A
Discharging Cut-off Voltage	44.8V± 0.2V	44.8V± 0.2V
Cell Type	LiFePO4 Battery	LiFePO4 Battery
Display	Lcd	Lead Wire
Terminal	SB120 & SB175	SB50 & SB120
Case Material	Metal Box	
Waterproof Level	/	
Charge Temperature Range	0~45℃	
Discharge Temperature Range	-5~55℃	
Cycle Life	≥6500 Cycles	
Designed Life	12 Years	
Colour	Black	Black
Weight	78Kg	27.5Kg
Dimensions(LxWxH)	720*270*270mm	420*240*150mm
Assembly Method	Battery Compartment	Battery Compartment



## AC OUTPUT POWER BANK

### Product Features

- Easy to carry
- Built-in safety
- Energy dense
- Long cycle life
- Easy to operate
- Climate tolerant
- Environmental protection

### Widely Compatible

- TV Fan
- Drone Laptop
- Phone&Pad Mini Fridge
- Table Lamp Flashlight



Models	DL-UP1200
Product Specification	22.4V 45Ah
Nominal Voltage	22.4V
Nominal Vapacity	45Ah
Energy	1008Wh
Cell Type	LiFePO4 battery
Display	LED Digital Display
Socket Seificatin	EU / US /AU / UK(Support Customization)
DC Input	5~28V/6A 168W Max / PV(XT30) 18V 6A
Type-C Input	5V~ 20V 100W Max
USB Output	5V 3A/ 9V 2A/ 12V 1.5A 18W Max
Type-C Output (PD)	5V~20V 65W Max
DC Output	DC1+DC2+ DC2+CAR DC 12V/10A
AC Output	100V ~ 120V / 200V ~ 240V ; 50Hz/60Hz (1200W Max Pure Sine Wave)
EC5 Car Jump Starter	/
LED Light	3W
Charge Temperature Range	-10~50℃
Discharge Temperature Range	-20~55℃
Cycle Life	≥3000 Cycles
Colour	Black / Bark Grey
Weight	11.5Kg
Dimensions(LxWxH)	330*270*270mm

Models	DL-UP100	DL-UP200	DL-UP300	DL-UP600
Product Specification	14.8V 5.4Ah	14.8V 10Ah	14.8V 20Ah	14.8V 40Ah
Nominal Voltage	14.8V	14.8V	14.8V	14.8V
Nominal Vapacity	5.4Ah	10Ah	20Ah	40Ah
Energy	79.92Wh	148Wh	296Wh	592Wh
Cell Type	Li-ion Battery			
Display	LED Digital Display			
Socket Seificatin	EU / US /AU / UK(Support Customization)			
DC Input	16.8V 1.5A / 16.8V 3A (Optional)			
Type-C Input	5V~ 20V 60W Max	5V~ 20V 60W Max	5V~ 20V 100W Max	5V~ 20V 100W Max
USB Output	5V 3A/ 9V 2A/ 12V 1.5A 18W Max			
Type-C Output (PD)	5V~20V 60W Max	5V~20V 60W Max	5V~20V 100W Max	5V~20V 100W Max
DC Output	12V 3A	12V 3A	12V 10A	12V 10A
AC Output	110V / 220V ; 50Hz/60Hz (80W max Correction wave)	110V / 220V ; 50Hz/60Hz (200W max Correction wave)	110V / 220V ; 50Hz/60Hz (300W max Pure sine wave)	110V / 220V ; 50Hz/60Hz (600W max Pure sine wave)
EC5 Car Jump Starter	/	12V 300A (Instantaneous)	12V 400A (Instantaneous)	12V 500A (Instantaneous)
LED Light	3W	/	5W	5W+3W
Charge Temperature Range	-10~50℃	-10~50℃	-10~50℃	-10~50℃
Discharge Temperature Range	-20~55℃	-20~55℃	-20~55℃	-20~55℃
Cycle Life	≥800 Cycles	≥800 Cycles	≥800 Cycles	≥800 Cycles
Colour	Black / Grey	Black / Grey	Black / Grey / Orange	Black / Bark Grey
Weight	0.8Kg	1.6Kg	3.4Kg	6.82Kg
Dimensions(LxWxH)	174*63*63mm	230*80*80mm	235*145*125mm	230*226*186mm

EBIKE ( ELECTRIC BICYCLE ) BATTERY



Models	DL-EB-SILVERFISH series	DL-EB112	DL-EB046
Max Cell Space	18650 65pcs	18650 80pcs	18650 52pcs
Configuration	10S6P / 13S5P	10S8P / 13S6P /14S5P	10S5P / 13S4P
Max Capacity	36V21Ah Max 48V17.5Ah Max	36V28Ah Max 48V21Ah Max 52V17.5Ah Max	36V17.5Ah Max 48V14Ah Max
Shell Material	Aluminun alloy / PC+ABS	Aluminun 6061 / PC+ABS	PC+ABS
Charging Port	RCA / 3 PIN CANNON port	3 PIN CANNON port	DC2.1 Port
Discharging Port	2pin / 3pin / 4pin	Self-made 4pin/Gold plated 6pin	Self-made 4pin
Capacity Indicator	3/4 lever LED capacity indicator	4 Lever LED capacity indicator	4 Lever LED capacity indicator
Dimension (LxWxH)	390*113*75mm	367.4*90.3*127.3mm	367.5*90.3*89.5mm
Other	Support multiple port collocations	/	/
Lock	Mechanical lock		
Weight	Variable according to voltage capacity		



Models	DL-EB-TB106A	DL-EB006	DL-EB-Triangle series
Max Cell Space	18650 60pcs	18650 52pcs	18650 104pcs
Configuration	10S6P / 13S4P	10S5P /13S4P	13S8P / 14S7P
Max Capacity	36V21Ah Max 48V14Ah Max	36V17.5Ah Max 48V14Ah Max	48V28Ah Max 52V24.5Ah Max
Shell Material	Aluminun alloy / PC+ABS	Aluminun 6061 / PC+ABS	Nonwovens
Charging Port	DC2.1/ RCA Port	DC2.1Port / RCA Port	DC2.1 Port
Discharging Port	3 Pin socket / Anderson / Lead wire	Self-made 4pin	Lead wire
Capacity Indicator	Without / Optional	4 Lever LED capacity indicator	/
Dimension (LxWxH)	360*148*72mm	434.1*150.5*65.4/106.5mm	Support customization
Other	Optional with tail lights		Support multiple port collocations
Lock	Mechanical Lock		/
Weight	Variable according to voltage capacity		

ELECTRIC MOTORCYCLE LITHIUM BATTERY



Applicable Scope

- E-Motorbike
- Electric Tricycle
- 2 Wheel Mobility Scooter
- 3 Wheel E-motorcycle
- LSEV Car
- Golf Cart

Product Features

- Easy to carry
- Built-in safety
- Energy dense
- Long cycle life
- Easy to operate
- Climate tolerant
- Support customization
- Environmental protection

Models	DL-LFP-EM4830	DL-LFP-EM6020	DL-LFP-EM6030
Product Specification	48V 30Ah	60V 20Ah	60V 30Ah
Nominal Voltage	51.2V	64V	64V
Nominal Capacity	30Ah	20Ah	30Ah
Battery Energy	1440Wh	1200Wh	1800Wh
Charge Current	6A(15A max.)	5A(10A max.)	6A(15A max.)
Charging Cut-off Voltage	57.6V	72V	72V
Discharge Current	30A(45A max.)	20A(30A max.)	30A(45A max.)
Discharging Cut-off Voltage	44.8V	56V	56V
Terminal	C14 INTERFACE *2	C14 INTERFACE *2	C14 INTERFACE/ Anderson
GPS	Customized		
Cell Type	LiFePO4 Battery		
Case Material	Metal Box		
Waterproof Level	IP67		
Charge Temperature Range	0~45℃		
Discharge Temperature Range	-5~55℃		
Cycle Life	≥6500 Cycles		
Designed Life	12 Years		
Colour	Black		
Weight	12.27 ± 0.2Kg	10 ± 0.2Kg	15.74 ± 0.2Kg
Dimensions(LxWxH)	180*170*274.5mm	175*145*274.5mm	180*170*305/320mm
Assembly Method	Built in		

Models	DL-LFP-EM6050	DL-LFP-EM7625	DL-LFP-EM7630
Product Specification	60V 50Ah	76V 25Ah	76V 30Ah
Nominal Voltage	64V	76.8V	76.8V
Nominal Capacity	50Ah	25Ah	30Ah
Battery Energy	3000Wh	1900Wh	2280Wh
Charge Current	10A(25A max.)	5A(12.5A max.)	6A(15A max.)
Charging Cut-off Voltage	72V	86.4V	86.4V
Discharge Current	50A(75A max.)	25A(37.5A max.)	30A(45A max.)
Discharging Cut-off Voltage	56V	67.2V	67.2V
Terminal	C14 INTERFACE/ Anderson		
GPS	Customized		
Cell Type	LiFePO4 Battery		
Case Material	Metal Box		
Waterproof Level	IP67		
Charge Temperature Range	0~45℃		
Discharge Temperature Range	-5~55℃		
Cycle Life	≥6500 Cycles		
Designed Life	12 Years		
Colour	Black		
Weight	23.75 ± 0.2Kg	15.22 ± 0.2Kg	18 ± 0.2Kg
Dimensions(LxWxH)	240.5*185.5*328.5/342mm	273.5*134*268.5/282mm	206*176*306/318mm
Assembly Method	Built in		