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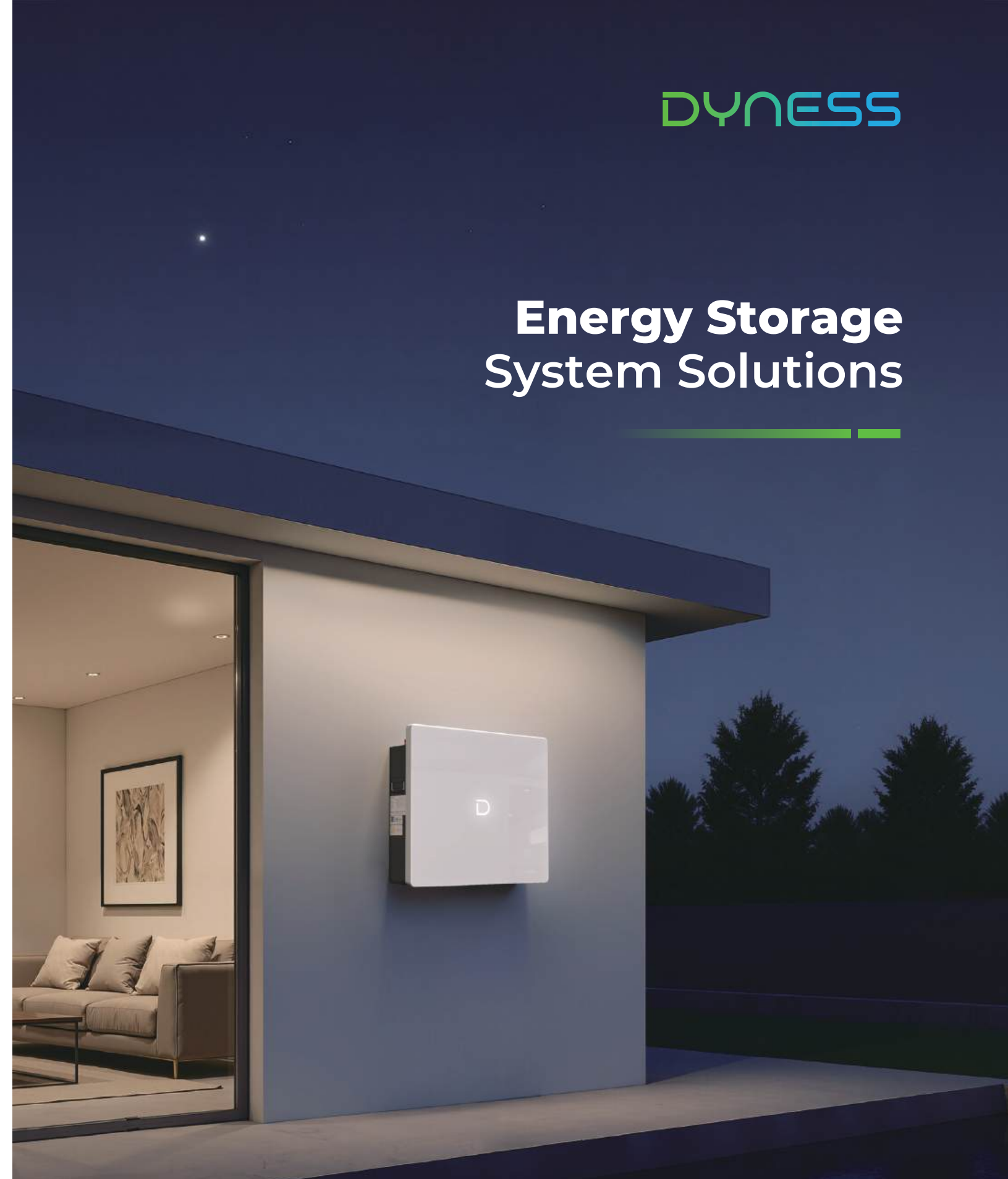
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Energy Storage System Solutions



Africa

Discover Your Nature

About Dyness

Dyness, founded in 2017, is a global pioneering energy storage solutions innovator. Relying on advantageous technology and robust product R&D capabilities, Dyness has established a comprehensive product portfolio for full scenarios, including C&I and residential energy storage throughout the entire lifecycle. With its global headquarters in Suzhou, China, Dyness has provided safe, reliable, and high-quality products and services to over 500,000 users in 100+ countries and regions.

At Dyness, customer satisfaction is always Dyness' top priority. Aligned with its mission to reduce the Earth's temperature, Dyness is collaborating with 90+ global brand partners to reduce the cost of renewable energy usage for users. As the pace of global energy transition accelerates, Dyness is committed to promoting sustainable development on a global scale through commercial deepening. It strives to work alongside the industry, market and society to build a low-carbon future worldwide.

• Mission

Driving digital energy development, reducing the cost of energy acquisition, and lowering Earth's temperature.

• Vision

Achieving customer priority, enabling the advancement of global sustainable pursuits, and striving to become a better version of oneself.

• Values

Be True Be Pragmatic Be Excellent Be Altruistic



Global Footprint

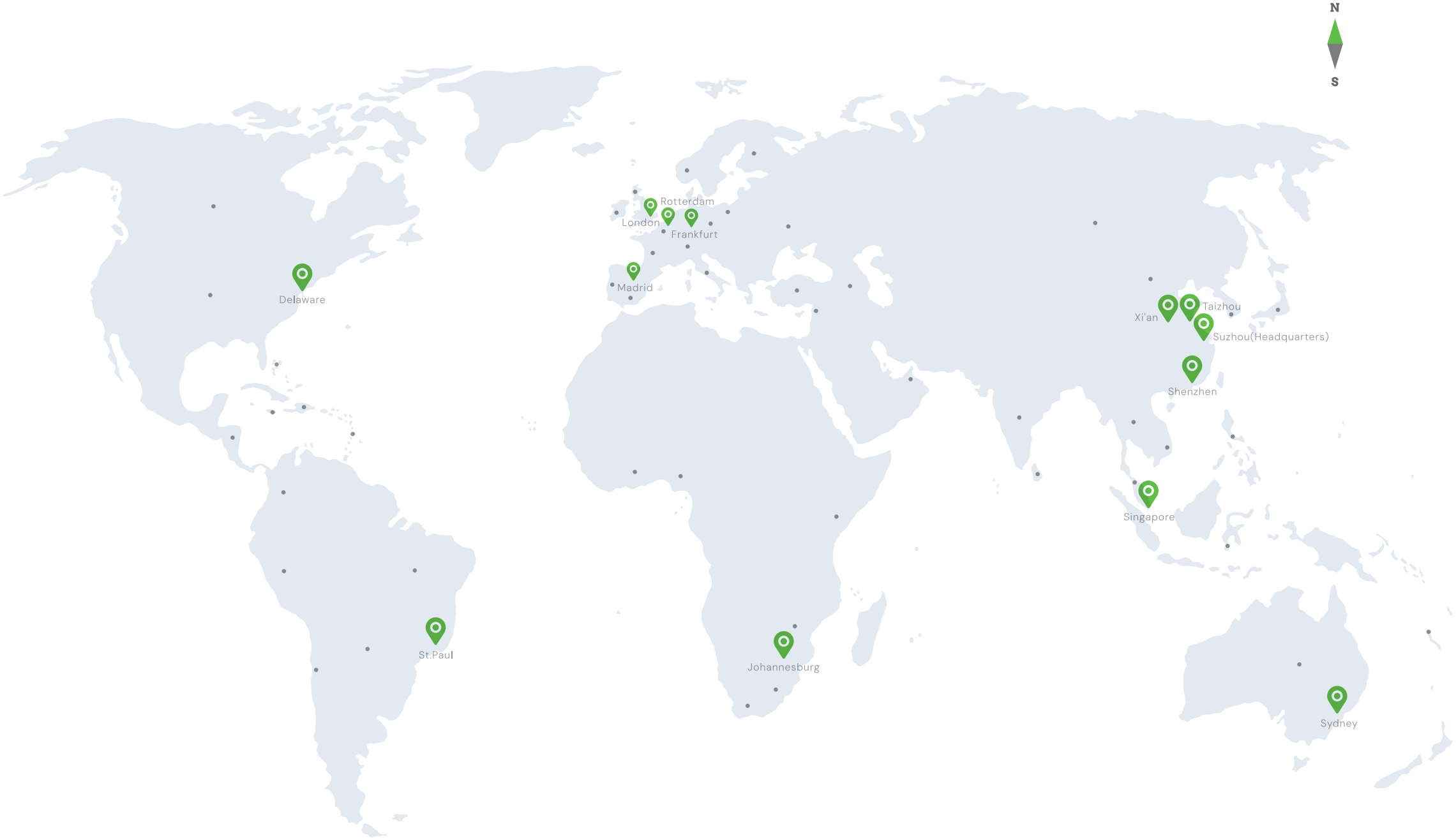
The Global Pioneering Energy Storage Solutions Innovator

- EUPD Top Brand PV (Storage)
- China TOP 500 Hidden Unicorn
- iF Design Award 2024 Winner

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● Main Shipping Areas

📍 Branches



13

Global Branches

2

Production Centres

2

R&D Centres

3GWh

Annual Production Capacity

100+

Global Markets

500,000+

Users

Residential Energy Storage Products



Ultra Safe



Flexible Expansion



Easy Installation



Smart Management



Perfect Compatibility



LR1.2

DYNESS LR1.2 is an alternative to lead-acid batteries, widely used for energy storage in RVs, indoor and outdoor applications, and fishing boats. It features reliable LFP cells that ensure safe performance and a lifespan exceeding 3000 cycles. The battery is light-weight, making it easy for one person to carry.



Features and Advantages

Light Weight

The weight is about 1/3 of a lead-acid battery of the same capacity.

Flexible Module

Module design, easy expansion in series and parallel

Easy Installation

<11kg, convenient for handling and can be used in various scenarios

Long Service Life

More than 3000 cycles

High Protection Level

IP65

Specification

Model	LR1.2
Battery Type	LiFePO4
Nominal Battery Energy	1.28kWh
Nominal Capacity	100Ah
Nominal Voltage	10~14.8V
Max. Power Charge/Discharge Current	100A (1C)
Depth of Discharge (DOD)	100%
Net Weight	10.5kg
Dimension[W/D/H]	330mm/172mm/214mm
Charging Temp. Range	0~50°C
Discharging Temp. Range	-20~55°C
Protection level	IP65
Cycle Life *	≥3000cycles
Expansion	4 in series and parallel
Certification & Safety Standard	UN38.3

* 3000 cycles: Test Conditions: 0.5C Discharging.@25°C, 100% DOD
4000 cycles: Test Conditions: 0.5C Discharging. @25°C, 80% DOD

DL2.5

DL2.5 is a low-voltage lithium energy storage battery designed for home applications. It supports up to 16 parallel units to reach an energy range from 2.56kWh to 40.96kWh. 1.3C discharge rate, it provides strong power for home electricity, with high safety, high performance, and high return on investment.



Features and Advantages

- Flexible Expansion**
Up to 16 units in parallel,
2.56kWh--40.96kWh capacity
- Easy Installation**
30% less volume, high space utilization
- Battery Equalization**
Supports for mixing modules under
different SOC to ensure battery life
- 1.3C Discharge**
Simultaneously supplying power to multiple
loads, no need to worry about power outages
- All-round Safety**
Short-circuit lockout, surge-resistant,
safe and reliable
- Smart Management**
Real-time system monitoring, remote
control, OTA updates

Specification

Model	DL2.5
Cell Technology	LiFePO ₄
Battery Module Capacity	2.56 kWh
Battery Module Voltage	25.6V
Battery Module Capacity	100 Ah
Battery Module Charge Voltage	28.5V
Recommended Charge/Discharge Current	50A
Max. Charge Current	75A
Max. Discharge Current	130A
Short Circuit Current	380A
Depth of Discharge (DOD)	90%
Cycle Life *	≥6000
Dimension(W/D/H, mm)	481/221/133
Communication	CAN/RS485
WiFi Module	Optional
IP Grade	IP20
Weight	23kg
Charging Temp. Range	0°C~+55°C
Discharging Temp. Range	-20°C~+55°C
Compatible Inverters	Steca/Sorotec/Must/Victron/Growatt
Certification	UN38.3/CE-EMC/IEC62619/ECE R10

* Test conditions: 0.2C Charging & Discharging. @25°C, 90% DOD

DL5.0C

DL5.0C is designed for residential and small commercial applications, with up to 50 units in parallel and an energy range from 5.12 kWh to 256 kWh. It supports 1C discharge rate. With high cycle times and a long lifespan, it ensures worry-free electricity consumption.



Features and Advantages

Flexible Expansion

Up to 50 units in parallel, 5.12kWh--256kWh capacity

Long-term Reliability

LFP cells, 6000+ cycles

1C Discharge

Simultaneously supplying power to multiple loads, no need to worry about power outages

Easy Installation

Support wall-mounted, floor-mounted, stacked and rack-mounted installations, high space utilization

All-round Safety

Short-circuit lockout, surge-resistant, safe and reliable

Specification

Model	DL5.0C
Battery Type	LiFePO ₄
Nominal Battery Energy	5.12 kWh
Nomina Capacity	100Ah
Nominal Voltage	51.2V
Operating Voltage	44.8~57.6V
Recommended Charge & Discharge C Rate	0.5C
Maximum Discharge C rate	1C
Recommended Charge/Discharge Current	50A
Max. Charge/Discharge Current	Charge 75A Discharge 100A
Peak Discharge Current	110A(15s)
Depth of Discharge (DOD)	90%
Net Weight	49.9kg
Dimension[W/D/H](mm)	558/545/150
Charging Temp. Range	0~55°C
Discharging Temp. Range	-20~55°C
Communication	CAN/RS485/RS232
Cycle Life *	≥6000 Cycles
Protection Level	IP20
WIFI Module	Optional
Expansion	Up to 50 units in parallel
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619/CEI-021
Compatible Inverters	SMA/Schneider/Victron energy/Ingeteam/Solis/GoodWe/ Growatt/Solplanet/Luxpower/DEYE/Apsystem etc.

* Test conditions: 0.2C Charging & Discharging. @25°C, 90% DOD

DL5.0C Pro

DL5.0C Pro is suitable for residential and small commercial and industrial scenarios, with up to 50 units in parallel and an energy range from 5.12 kWh to 256 kWh. High cycle times and security ensure users' electricity freedom and safety



Features and Advantages

- Flexible Expansion**

Up to 50 units in parallel, 5.12kWh--256kWh capacity
- Smart Management**

Real-time system monitoring, remote control, OTA updates
- Easy Installation**

Support wall-mounted, floor-mounted installations, high space utilization
- 1.2C Discharge(10min)**

Output 1.2C for 10min to support peak loads, no worry about random peak powers.
- Ultra Safe**

Intelligent fire extinguishing system, detects and extinguishes fire in 5s

Specification

Model	DL5.0C Pro
Battery Type	LiFePO ₄
Nominal Battery Energy	5.12kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Operating Voltage	44.8~57.6V
Recommended Charge & Discharge C Rate	0.5C
Maximum Discharge C Rate	1C
Recommended Charge/Discharge Current	50A
Max. Charge/Discharge Current	Charge 75A Discharge 100A
Peak Discharge Current	120A@10min
Depth of Discharge (DOD)	95%
Net Weight	46kg
Dimension[W/D/H]	488/515/150mm
Charging Temp. Range	0~55°C
Discharging Temp. Range	-20~55°C
Communication	CAN/RS485
WIFI Module	Built-in WIFI module; APP OTA function
Cycle Life	≥6000 Cycles
Protection Level	IP20
Active fire protection system	Aerosol fire extinguisher
Expansion	Up to 50 units in parallel
Pros	Can be used in both off-grid and hybrid setups, compact design
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619/CE-RED/CEI 0-21
Compatible Inverters	SMA/Schneider/Victron energy/Ingeteam/Solis/GoodWe/ Growatt/Solplanet/Luxpower/DEYE/Apsystem etc.

* Test conditions: 0.2C Charging & Discharging. @25°C, 95% DOD

Powerbox Pro

Powerbox Pro is a low-voltage product designed for household energy storage scenarios, supporting up to 50 units in parallel and a 10.24kWh--512kWh energy coverage. High protection level, high safety performance, easy installation, and stylish design to make it perfectly fit for the modern home.



Features and Advantages

- Flexible Expansion**

Up to 50 units in parallel,
10.24kWh--512kWh capacity
- Easy Installation**

Support wall-mounted, floor-mounted
installations, high space utilization
- IP65 Protection**

Fearless of outdoor installation, strong
environmental adaptability
- Battery Equalization**

Supports for mixing modules under
different SOC to ensure battery life
- All-round Safety**

Short-circuit lockout, surge-resistant,
safe and reliable

Specification

Model	Powerbox Pro
Battery Type	LiFePO ₄
Nominal Battery Energy	10.24 kWh
Operating Voltage	44.8~57.6V
Nominal Voltage	51.2V
Nominal Capacity	200Ah
Nominal Power	5.12kW
Peak Power	10.24kW
Recomended Charge & Discharge C Rate	0.5C
Recommended Charge/Discharge Current	100A
Recommended Depth of Discharge (DOD)	90%
Net Weight	99.3kg
Dimension[W/D/H]	555/210/928 mm
Charging Temp. Range	0~55°C
Discharging Temp. Range	-20~55°C
Communication	CAN/RS485
WIFI Module	Optional
Cycle Life *	≥6000 Cycles
Protection Level	IP65
Expansion	Up to 50 units in parallel
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619/IEC62040/UKCA/CEC
Compatible Inverters	SMA/Schneider/Victron energy/Ingeteam/Solis/GoodWe/ Growatt/Solplanet/Luxpower/DEYE/Apsystem etc.

* Test conditions: 0.2C Charging & Discharging. @25°C, 90% DOD

PowerBrick

PowerBrick is a low-voltage product designed for household energy storage scenarios with a stylish and elegant appearance. It uses a high-capacity 280Ah battery to support 50 parallel units with a capacity range from 14.3kWh to 716.8kWh. It provides a highly safe, reliable, intelligent and friendly experience.



Features and Advantages

- Flexible Expansion**
Up to 50 units in parallel,
14.3kWh--716.8kWh capacity
- Ultra Safe**
Intelligent fire extinguishing system,
detects and extinguishes fire in 5s
- Long-term Reliability**
LFP cells, 8000+ cycles
- No Black Out**
Maximum discharge current: 200A, simultane-
ously supplying power to multiple loads
- Easy Installation**
60% less volume, 25% less weight, easy to
move by one person with wheels
- Smart Management**
Real-time system monitoring, remote
control, OTA updates

Specification

Model	PowerBrick
Battery Type	LiFePO ₄
Nominal Battery Energy	14.336kWh
Nominal Voltage/Capacity	51.2V/280Ah
Recommended Charge/Discharge Current	140A (0.5C)
Max. Charge Current	200A
Max. Discharge Current	200A
Peak Discharge Current	300A (2mins, 25°C)
Depth of Discharge	95%
Communication	CAN/RS485
Cycle Life*	≥8000 cycles
Protection Level	IP20
Net Weight	114kg
Dimension[W/D/H]	435/233/857mm (No wall-mounted bracket)
Regulating wheel (4pcs)	1kg, 80/80/80mm(optional)
Top cover	2kg, 422/232/60mm(optional)
Maximum Parallel Modules	50
Charging Temp. Range	0~55°C
Discharging Temp. Range	-20~55°C
WIFI Module	Built-in WIFI module; APP OTA function
Fire Protection System	Built-in aerosol fire extinguisher
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619/CEI O-21
Compatible Inverters	SMA/Schneider/Victron energy/Ingeteam/Solis/GoodWe/ Growatt/Solplanet/Luxpower/DEYE etc.

* Test conditions: 0.2C Charging & Discharging. @25°C, 95% DOD

PowerBrick SC

PowerBrick SC is a low-voltage product designed for household energy storage scenarios with a stylish and elegant appearance. It uses a high-capacity 314Ah battery to support 50 parallel units with a capacity range from 16.07kWh to 803.5kWh. It provides a highly safe, reliable, intelligent and friendly experience. Built-in display screen, check the battery status at any time.



Features and Advantages

- Flexible Expansion**

Up to 50 units in parallel,
16.07kWh--803.84kWh capacity
- Easy Installation**

60% less volume, 25% less weight, easy to
move by one person with wheels (optional)
- Ultra Safe**

Intelligent fire extinguishing system,
detects and extinguishes fire in 5s
- Smart Management**

Built-in display screen, check the battery
status at any time.real-time system monitoring,
remote control, OTA updates
- Long-term Reliability**

LFP cells, long cycles, 10 years warranty,
maximum discharge current: 200A

Specification

Model	PowerBrick SC
Battery Type	LiFePO4
Nominal Battery Energy	16.07kWh
Nominal Voltage/Capacity	51.2V/314Ah
Recommended Charge/Discharge Current	140A
Max. Charge Current	200A
Max. Discharge Current	200A
Peak Discharge Current	300A (2mins, 25°C)
Depth of Discharge	95%
Communication	CAN/RS485
Cycle Life *	≥8000 cycles / 10 Years
Protection Level	IP20
Net Weight	116Kg
Dimension[W/D/H]	435/233/857mm (No wall -mounted bracket)
Regulating wheel (4pcs)	1kg,80/80/80 (optional)
Top cover	2kg,422/232/60 (optional)
Maximum Parallel Modules	50
Charging Temp. Range	0°C~55°C
Discharging Temp. Range	-20~55°C
WIFI Module	Built-in WIFI module; APP OTA function
Fire Protection System	Built-in aerosol fire extinguisher
Certification & Safety Standard	UN38.3/IEC62619
Compatible Inverters	Solis/GOODWE/Growatt/SMA/Victron/DEYE/APsystem etc.

* Test conditions: 0.2C Charging & Discharging, @25°C, 95% DOD

DYNE

3.6/5.0/6.0/8.0L-1P-A

The DYNE 3.6/5.0/6.0/8.0L-1P-A series is designed for residential hybrid systems. The inverter can work with Dyness low-voltage lithium-ion battery DL5.OX/DL5.OC/ Powerbox Pro to maximize self-consumption and provide backup power if the grid fails and there is not enough PV power to cover load demand.



Specification

Model	3.6L-1P-A	5.0L-1P-A	6.0L-1P-A	8.0L-1P-A
Input DC (PV side)				
Recommended max. PV power	5.76 kW	8 kW	9.6 kW	12.8 kW
Max. input voltage	600 V			
Rated voltage	330V			
Start-up voltage	90V			
MPPT voltage range	90 – 520 V			
Max. input current	16 A / 16 A			32A/20A
Max. short circuit current	24 A / 24 A			36A/30A
MPPT number/Max. input strings number	2/2			2/3
Battery				
Battery type	LiFePO ₄			
Battery voltage range	40 – 60 V			
Max. charge/discharge power	3.6 kW	5 kW	6 kW	8 kW
Max. charge/discharge current	80 A	112 A	135 A	190 A
Communication	CAN / RS485			
Output AC (Grid side)				
Rated output power	3.6 kW	5 kW	6 kW	8 kW
Max. apparent output power	4 kVA	5.5 kVA	6.6 kVA	8.8 kVA
Operation phase	1 / N / PE			
Rated grid voltage	220 V / 230 V			
Rated grid frequency	50 Hz / 60 Hz			
Rated grid output current	16.4 A / 15.7 A	22.7 A / 21.7 A	27.3 A / 26.1 A	36.4 A / 34.8 A
Max. output current	20 A	25 A	30 A	40 A
Power factor	>0.99 (0.8leading – 0.8lagging)			
Input AC (Grid side)				
Input voltage range	187-253 V			
Max. input current	25 A	32 A	40 A	50 A
Frequency range	45-55 Hz/55-65 Hz			
Output AC (Back-up)				
Rated output power	3.6 kW	5 kW	6 kW	8 kW
Max. apparent output power	2 times of rated power, 10s			
Back-up switch time	<4ms			
Rated output voltage	1/N/PE, 220 V/230 V			

Features and Advantages

- Generator Connectivity**
Generator connectivity with multiple input methods and automatic generator On/Off control
- Customizable Settings**
6 customizable charge/discharge time settings,Up to 135A(3.6/5.0/6.0K) and 190A (8.0K) max charge/discharge current
- No Black Out**
Automatic UPS switching <4ms, ensuring the stability of household electricity consumption
- Surge Power Backup Capability**
10 seconds 200% surge power backup overload capability
- Peak Shaving Control**
Supports peak shaving control in both "self-use" and "generator" mode
- Flexible Connection**
Supports 1ph and 3ph flexible connection

Model	3.6L-1P-A	5.0L-1P-A	6.0L-1P-A	8.0L-1P-A
Rated frequency	50 Hz/60 Hz			
Max. output current	20 A	25 A	30 A	40 A
THDv (@linear load)	<2%			
Efficiency				
Max.efficiency	>96.9%			
EU efficiency	>96.5%			
Protection				
DC reverse-polarity protection	Yes			
Ground fault monitoring	Yes			
Integrated AFCI(DC arc-fault circuit protection)	Yes			
Protection class/Over voltage category	I/II (PV and BAT), III (MAINS and BACKUP and GEN)			
General Data				
Dimensions(W/H/D)	406/560/205mm			406/560/215 mm
Weight	24 kg			26kg
Topology	High frequency isolation (for battery)			
Operating ambient temperature range	- 40 - 60 °C			
Ingress protection	IP66			
Cooling concept	Natural convection		Intelligent redundant fan-cooling	
Max.operation altitude	4000m			
Certification & Standard	NRS 097-2-1, IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4			
Features				
DC connection	MC4 plug (PV port)/ Terminal Block (BAT port)			
AC connection	Terminal Block			
Display	LED + APP			
Communication	RS485, CAN, Optional: Wi-Fi, LAN			

D8.OHS/D12.OHS

D8.OHS/D12.OHS is an inverter designed for hybrid power systems, with 4-channel MPPT input and high efficiency of PV conversion. It also supports 150% PV overload, and a UPS switching time ≤ 10ms, to protect uninterrupted home power.



Features and Advantages

- 4 MPPT**
60-550V wide MPPT voltage range,
150% PV overload
- Ultra Safe**
DC&AC side secondary lightning protection,
built-in AFCI, supports DC Arc detection
- Generator Connectivity**
Extreme backup capability, powers loads
and charges the battery
- No Black Out**
UPS<10ms, ensuring the stability of
household electricity consumption
- IP65 Protection**
Fearless of outdoor installation,
strong environmental adaptability
- Intelligent O&M**
Real-time system monitoring and
OTA updates

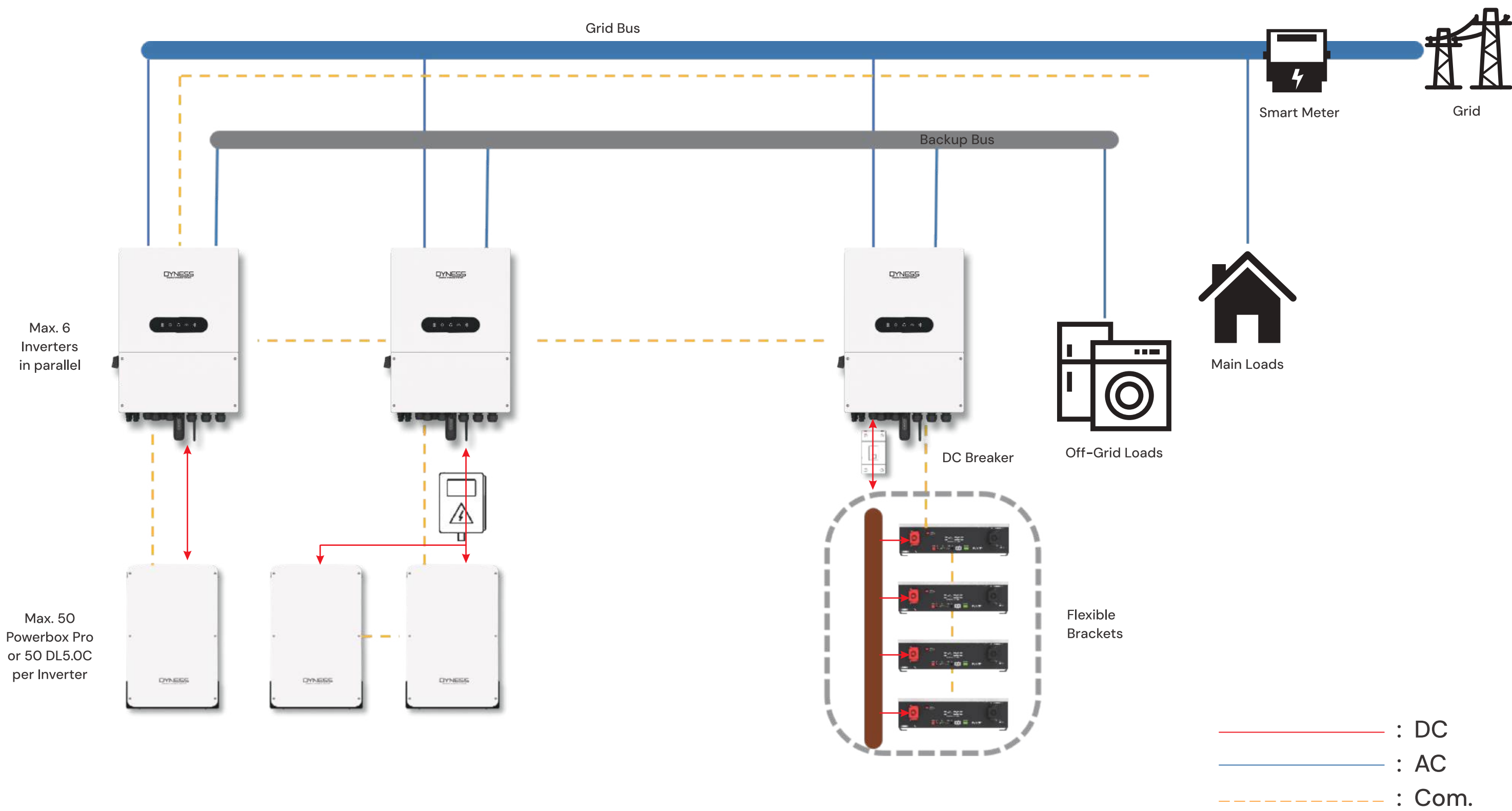
Specification

Model	D8.OHS		D12.OHS	
Battery Input Data				
Battery Type	LiFePO ₄			
Battery Voltage Range (V)	80~490			
Max.Charge/Discharge Current (A)	40/40			
Max.Charge/Discharge Power (W)	8800	13200		
PV String Input Data				
Max.PV Input Power (W)	12000	18000		
Max.PV Input Voltage (V)	600			
MPPT Range (V)	60~550			
SPS Start-up Voltage (V)	60			
MPPT Range For Nominal Power (V)	200~500	200~500		
Nominal PV Input Voltage (V)	390			
Max.Input Current (A)	16			
Max.Short Crrent (A)	23			
No.of MPPTTrackers	3	4		
Strings per MPPTTracker	1			
AC Output Data (On-grid)				
Nominal Power Output To Grid (VA)	8000	12000		
Max.Power Output To Grid (VA)*	8000	12000		
Max.Power From Grid (VA)	8000	12000		
Nominal Output Voltage (V)	230			
Nominal Output Frequency (Hz)	50			
Nominal.AC Current To Grid (A)	34.8	52.2		
Max.AC Current From Grid (A)	34.8	52.2		
Output Power Factor	Adjustable from 0.8 leading to 0.8 lagging			
Output THDi (Nominal Power)	<3%			
AC Output Data (Back-up)				
Norminal. Output Power(VA)	8000	12000		
Peak Output Power(VA)	12000, 10s	16000, 10s		
Rated. Output Current(A)	34.8	52.2		
Nominal Output Voltage (Vac)	230			
Nominal Output Frequency (Hz)	50			
Output THDv (@Linear Load)	<3%			
Switch time	<10ms			

Model	D8.OHS	D12.OHS
Generator input	Yes	
Efficiency		
MPPT efficiency	99.9%	
Max.efficiency	97.5%	
Protection		
Anti-island Protection	Integrated	
PV&Battery AFCI	Integrated	
PV Reverse Protection	Integrated	
Battery Reverse Protection	Integrated	
Residual Current Monitoring Unit	Integrated	
Over Current/Voltage Protection	Integrated	
DC Switch(PV)	Integrated	
Surge Protection	DC Type II /AC Type III	
Communication Interface		
Battery BMS	CAN	
EMS	RS485	
Meter	RS485	
E-Stop	YES (DI)	
Dry-Point	YES (DO)	
Cloud	Wi-Fi.Bluetooth	
Display/User Interface	LED/APP	
General Data		
Operating Tenperature Range (F)	-13-140(-25-60°C)	
Relative Humidity (%)	0-100%	
Operating Altitude (m)	3000m	
Cooling	Nature Cooling	
Noise (dB)	<35	
Weight (kg)	30	
Size(W/D/H)(mm)	486/210/730	
Installation	Wall-Mounted	
Endosure Type	IP65	
Certifications&Standards		
Grid Regulation	NRS 097	
Safety Regulation	IEC/EN 62109-1, IEC/EN 62109-2	
EMC	IEC/EN 61000-6-1/2/3/4	

Dyness Energy Storage System

Parallel Connections



Commercial and Industrial Energy Storage Products



All-in-one



Safe & Reliable



High Energy Density



All Scenario



Intelligent O&M



BF100

BF100 is a DC battery cabinet that can be installed outdoors. It is air-cooling design and is equipped with a wall-mounted hybrid inverter to achieve AC output. It is suitable for small-sized industrial and commercial scenarios.



Features and Advantages

- Flexible Expansion**

Single unit capacity options of 86/100kWh, supports DC expansion, with flexible capacity configuration
- Simple O&M**

Modular design, side outlet mode, easy to install, and easy to maintain
- Ultra-long Lifespan**

LFP battery, 8000+ cycles
- Safe & Reliable**

Three-level fire detection + active exhaust + passive explosion-proof design to eliminate hidden hazards and ensure safe operation

Specification

Model	BF100-C80		BF100-C100	
Battery				
Battery Type	LiFePO ₄			
Battery Capacity	280Ah			
Rated Current	140A			
Max. Current	160A			
PACK Configuration	1P16S*6		1P16S*7	
Voltage Range	278.4~345.6Vdc		324.8~403.2Vdc	
Nominal Capacity	86kWh		100kWh	
System				
Weight	1100±100kg		1200±100kg	
Dimension (W/D/H)	725/1200/2260mm			
Max. Efficiency	94%			
Air Conditioner Power	2kW (Cooling), 1kW (Heating)			
Operating Temperature	-20~50°C (Derating above 45°C)			
Operating Humidity	0~95%RH (Non-condensing)			
Ingress Protection	IP55			
Anti-corrosion Grade	C3 (Optional C4)			
Cooling Method	Air-cooling			
Noise	≤65dB			
Elevation	3000m (Derating above 2000m)			
Display	Touch screen			
Fire Protection	Aerosol, Multi-sensor/Water ingress, Explosion-proof ventilation			
Communication	Ethernet/4G/RS485			
Certification	CE, LVD, UN38.3			
Depth of Discharge	95%			
Cycle Life*	≥8000 cycles			
Compatible Inverters	Solis/SOSEN/SOLINTEG/Megarevo			

* Operating conditions: 0.2C Charging & Discharging, @25°C, 95% DOD

BF200

BF200 is a DC battery cabinet that can be installed outdoors. It is air-cooling design and is equipped with a wall-mounted hybrid inverter to achieve AC output. It is suitable for small-sized industrial and commercial scenarios.



Features and Advantages

- Flexible Expansion**
Supports multiple DC expansion units, with flexible capacity configuration
- Simple O&M**
Modular design, side outlet mode, easy to install, and easy to maintain
- Ultra-long Lifespan**
LFP battery, 8000+ cycles
- Safe & Reliable**
Three-level fire detection, anti-explosion design, combined aerosol and water fire fighting, full-stack safety protection system

Specification

Model	BF200
Battery	
Battery Type	LiFePO ₄
Battery Capacity	280Ah
PACK Configuration	1P16S*15
Rated Current	140A
Max. Current	160A
Voltage Range	696~864Vdc
Nominal Capacity	215kWh
System	
Weight	Approx. 2500kg
Dimension (W/D/H)	1320/1190/2250mm
Max. Efficiency	94%
Air Conditioner Power	5kW (Cooling), 3kW (Heating)
Operating Temperature	-20~50°C (Derating above 45°C)
Operating Humidity	0~95%RH (Non-condensing)
Ingress Protection	IP55
Anti-corrosion Grade	C4
Cooling Method	Air-cooling
Noise	≤75dB
Elevation	3000m (Derating above 2000m)
Display	APP
Fire Protection	Aerosol, Water fire system, Multi-sensor/Water ingress, Audible&Visual alarm, Explosion-proof ventilation
Communication	Ethernet/4G/RS485/Bluetooth
Certification	UN38.3
Depth of Discharge	95%
Cycle Life*	≥8000 Cycles
Compatible Inverters	Megarevo/Solis/SOSEN/SOLINTEG

* Operating conditions: 0.2C Charging & Discharging, @25°C, 95% DOD

STACK100

Stack100 is suitable for residential and small commercial and industrial scenarios. Rackless and stackable design is easy to plug and play. It supports 12 clusters in parallel with a maximum capacity of 921kWh and supports 1C charge/discharge.



Features and Advantages

Flexible Expansion

Up to 12 units in parallel,
15KWh--921KWh capacity

1C Rate

Suitable for grid frequency regulation, charging stations and other scenarios, cost saving

Long-term Reliability

LFP cells, 6000+ cycles

Ultra Safe

Intelligent fire extinguishing system,
detects and extinguishes fire in 5s

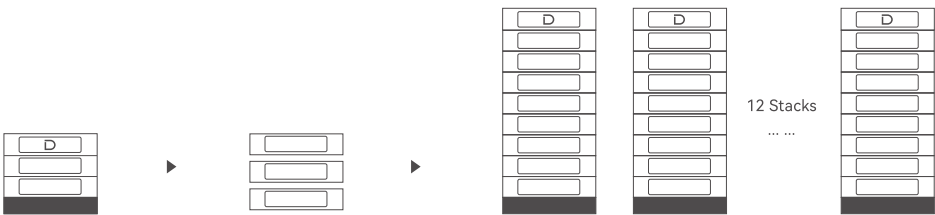
Easy Installation

0 wiring, rackless free stacking, plug-and-play,
one cluster installation in 30min

Battery Equalization

Free mixing of modules within three years

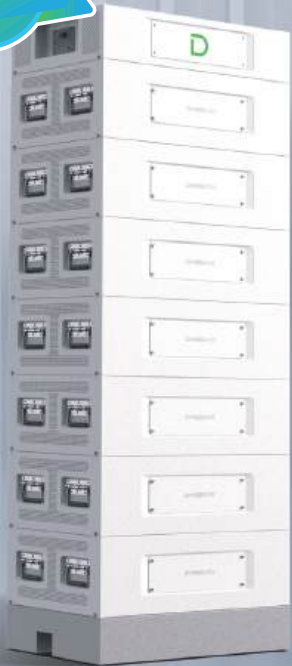
Specification



Model	STACK100
Battery Type	LiFePO ₄
Module Voltage/Capacity	51.2V/100Ah
Single Module Weight	47Kg
System Modules Serial Number	3~15
System Energy Range	15.36~76.8kWh
Operating Voltage	134~864V
Recommended Charge/Discharge Current	50A (0.5C)
Max.Charge/Discharge Current	100A (1C)
Peak Discharge Current(2min 25°C)	125A(1.25C)
Depth of Discharge	95%
Communication	CAN/RS485
Cycle Life	≥6000 cycles
Single Cluster Dimension[W/D/H] (mm)	590/390/(233+133*n),"n" stands for the number of battery modules
Charging Temp. Range	0~55°C
Discharging Temp. Range	-20~55°C
Protection Level	IP20
Fire Protection System	Built-in aerosol fire extinguisher
Installation method	Stack type
Cooling method	Forced wind cooling
WiFi Module	Built-in WiFi module; APP OTA function
Certification & Safety Standard	CE-EMC/CE-RED/62619/63056/62477/62040/UN38.3
Compatible Inverters	Solis/Deye/SOLINTEG/Growatt/Goodwe/MEGAREVO/SAJ/Sinexcel/ATESS/Hoymiles etc.

* Test conditions: 0.2C Charging& Discharging ,@25 C , 95% DOD

STACK280



STACK280 is suitable for residential, small commercial and industrial scenarios. Rackless and stackable design is easy to plug and play. It uses a high capacity 280Ah battery to support 12 clusters in parallel with a maximum capacity of 2.58MWh. Built-in aerosol fire extinguisher that eliminates fire hazards within 5s, all around protection for your electrical safety.

Features and Advantages

Flexible Expansion

Up to 12 clusters in parallel, 43kWh~2.58MWh capacity

Easy Installation

0 wiring, rackless free stacking, plug-and-play

Module Mixing

Mixing of modules within three years

Ultra Safe

Intelligent fire extinguishing system, detects and extinguishes fires in 5s

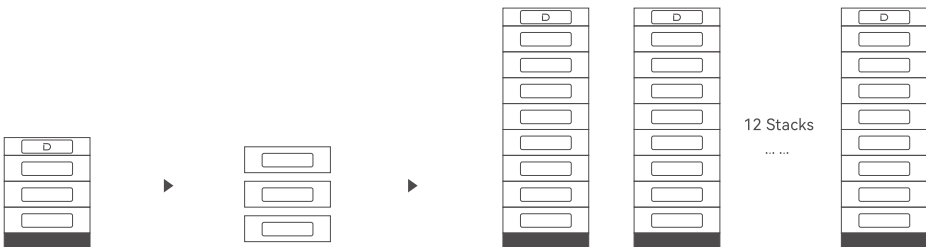
Long Life

LFP cells, 8000+ cycles, 10 years long warranty

Fast Charge/Discharge

Max. continuous charge/discharge current: 200A

Specification



Model	STACK280
Battery Type	LiFePO ₄
Module Voltage/Capacity	51.2V/280Ah
System Modules Serial Number	3~15
System Energy Range	43kWh~215.04kWh
Operating Voltage	134.4V~864V
Recommended Charge/Discharge Current	140A (0.5C)
Max.Charge/Discharge Current	200A (0.7C)
Peak Discharge Current(2min 25°C)	280A(1C)
Depth of Discharge	95%
Communication	CAN/RS485
Cycle Life [1]	≥8000 cycles/10 Years
Single Cluster Dimension[W/D/H](mm)	770/425/(363+230*n) "n" stands for the number of battery modules, up to a maximum of 8.[2]
Charging Temp. Range	0~55°C
Discharging Temp. Range	-20~55°C
Protection Level	IP20
Single Module Weight	110kg
Fire Protection System	Aerosol fire extinguisher
Installation method	Stack type
Cooling method	Forced wind cooling
WiFi Module	Built-in WiFi module; APP OTA function
Battery Module Name	S51280
Certification & Safety Standard	UN38.3,CE-EMC,IEC62619
Compatible Inverters	Solis/Growatt/Sosen/Solinteg/Atess/Magarevo/Deye ect.

[1] Test conditions: 0.2C Charging& Discharging, @25°C, 95% DOD
[2] If the installation is on an upper floor, you will need to evaluate the floor weighing before determining the number of stacks.

DH200F

The DH200F has a multi-functional, all-in-one design that supports flexible expansion, PV integration and grid/off-grid switching. It supports an AC parallel connection of up to 12 units, reaching a capacity of 2.58 MWh. The DC-coupled photovoltaic system enhances solar efficiency and reduces costs, and the unit is equipped with STS. The switching time between on-grid and off-grid is less than 20 ms, ensuring a stable power supply, and it provides peak shaving, grid demand response and backup power services, improving off-grid energy self-sufficiency.



Features and Advantages

- Flexible Expansion**

Maximum support for 12 machines in AC parallel, expandable to 2.58MWh; reserved DC expansion interface.
- PV DC Coupling**

DC-coupled PV, improving power generation efficiency, reducing system costs
- Safe & Reliable**

Three-level fire detection, explosion-proof ventilation design, combined aerosol and water fire suppression for dual protection
- Stabilized Power Supply**

Equipped with intelligent and efficient STS, the off-grid switching time is less than 20 ms
- Flexible Wiring**

Multiple wiring options reduce site constraints and lower installation difficulty/cost
- Full-scenario**

Supports AC-coupled integration with PV, diesel generators, EV chargers, and all energy scenarios

Specification

Model	DH200F
Battery	
Battery Type	LiFePO ₄
Battery Capacity	280Ah
PACK Configuration	1P16S*15
Rated Current	140A
Max. Current	160A
Voltage Range	696~864Vdc
Nominal Capacity	215kWh
On-grid AC Side	
Rated Power	100kW
AC Maximum Current	167A
AC Rated Voltage	400Vac
Wiring Method	3P4L+PE
Frequency	50Hz/60Hz
Power Factor	1(Leading)~1(Lagging)
THDi	≤3% (Rated power)
Max. Number Of Parallel Expansions	12
Off-grid AC Side (Optional)	
Rated Power	100kW
AC Rated Voltage	400Vac
AC Maximum Current	167A
Wiring method	3P4L+PE
Frequency	50Hz/60Hz
Unbalanced Load	100%
THDv	< 3% (Liner load)
Max. Number Of Parallel Expansions	5
Photovoltaic (Optional)	
Max. Input Power	50kW*3
Max. Input Current	100A*3
Short-circuit Current	150A
Max. Voltage	670Vdc
Input Voltage Range	200~670Vdc
Start-up Voltage	250Vdc
MPPT Path	3
System	
Weight	2800±100kg
Dimension (W/D/H)	1850/1265/2250mm
Max. Efficiency	≥87%
Air Conditioner Power	3kW (Cooling), 1kW (Heating)
Operating Temperature	-20~50°C(Derating above 40°C)
Operating Humidity	0~95%RH (Non-condensing)
Ingress protection	IP55
Anti-corrosion Grade	C3
Cooling method	Air cooling
Noise	≤70dB
Elevation	3000m (Derating above 2000m)
Display	Touch screen
Fire Protection	Aerosol, Water fire system, Multi-sensor/Water ingress, Audible&Visual alarm, Explosion-proof ventilation
Communication	Ethernet/4G/RS485
Certification	CE, LVD, UN38.3

Residential Application Cases



• 40.96kWh
8 units DL5.OC South Africa



• 61.44kWh
12 units DL5.OC Yemen



• 19.2kWh
4 units A48100 South Africa



• 14.21kWh
Tower T14 Sri Lanka



• 10.66kWh
Tower T10 Czech Republic



• 48kWh
10 units A48100 Lebanon



• 10.24kWh
Powerbox G2 Romania



• 172.8kWh
48 units B3 South Africa



• 61.44kWh
6 units Powerbox Pro South Africa

C&I Application Cases



• **Brazil** 100kW/307kWh
 PowerRack HV4 Dynamic capacity expansion (peak-shaving) + PV consumption



• **Netherland** 300kW/645kWh
 DH200F Dynamic capacity expansion + PV consumption+ Charging pile



• **Spain** 500kW/1160kWh
 DH200Y Self-generation and self-use+PV consumption



• **Bulgaria** 112.64 kWh
 PowerRack HV4F Peak-to-valley arbitrage+Self-generation and self-use



• **The Netherlands** 100kW/215kWh
 DH200F PV consumption (self-use)



• **China** 5MW/18MWh
 DH200F Peak-shaving+PV consumption



• **China** 100kW/215kWh
 DH200F Peak-to-valley arbitrage + Dynamic capacity increase

After-sales Service

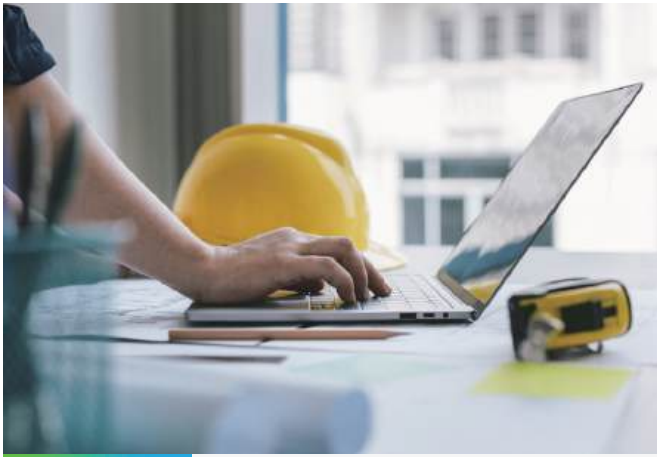
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