DYNESS

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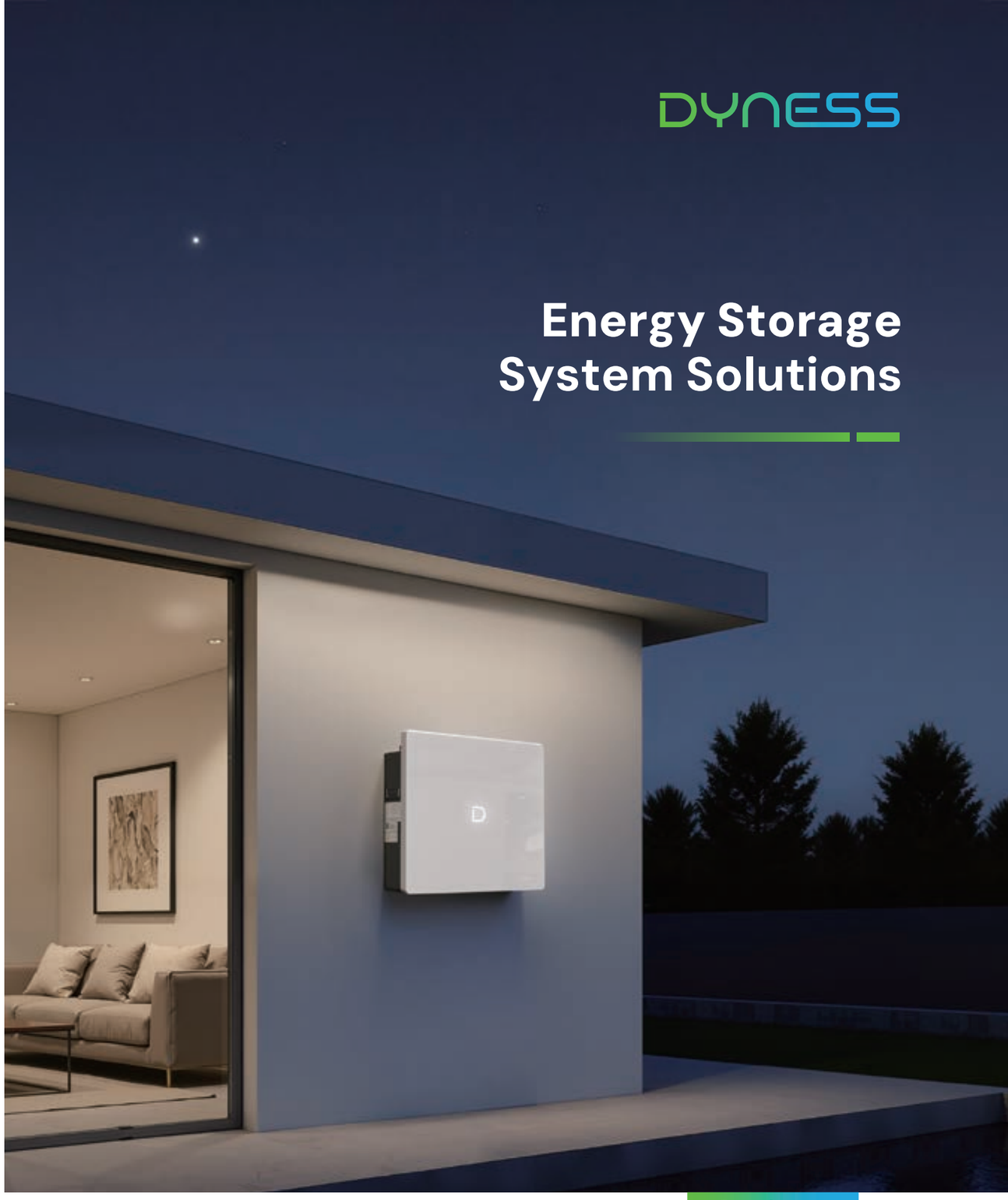
DYNESS

Energy Storage System Solutions



Southeast Asia

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 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 Desigh Award 2024 Winner

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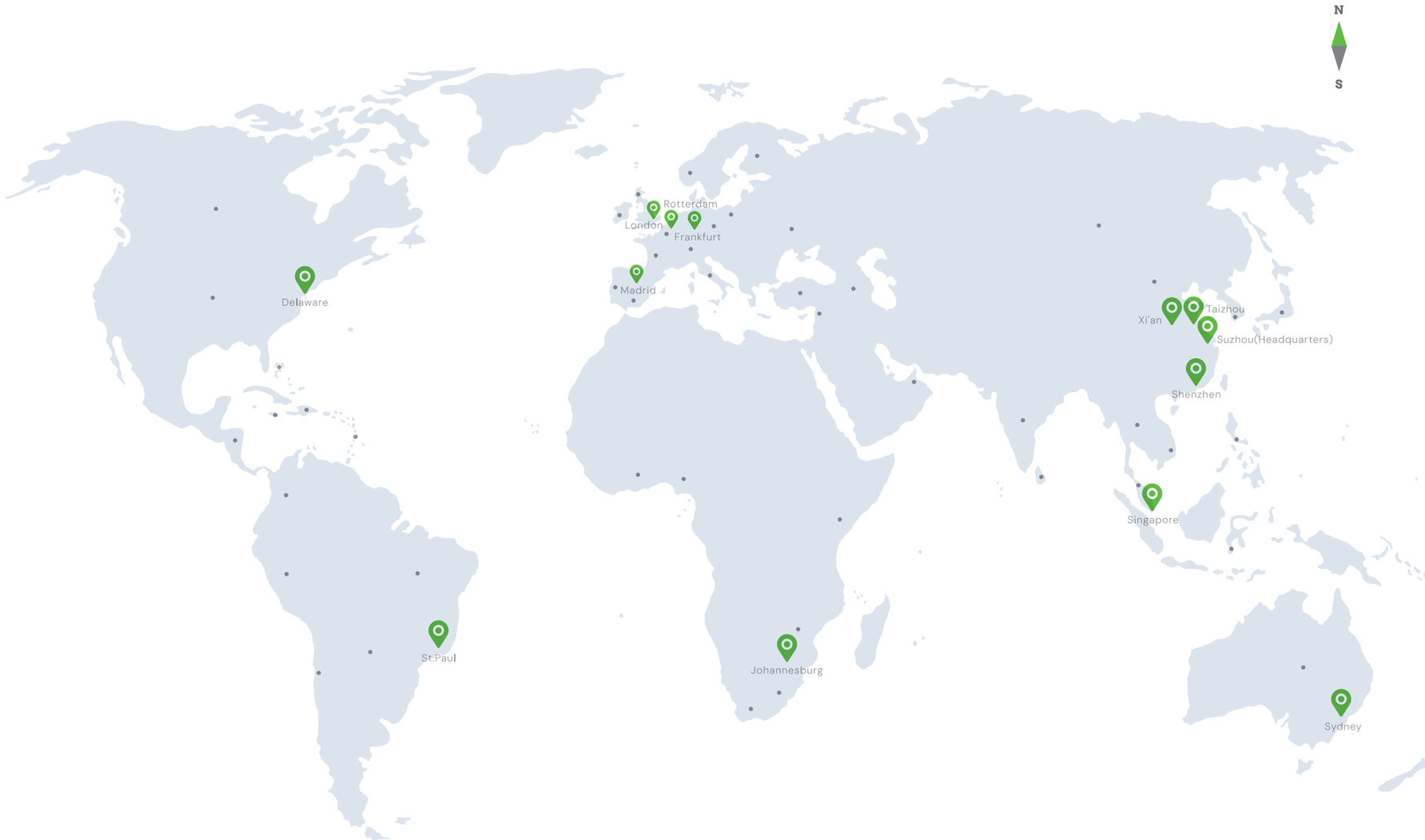


Main Shipping Areas

Branches

13
Global Branches

2
Production Centres

2
R&D Centres

3GWh
Annual Production Capacity

100+
Global Markets

500,000+
Users

Product Overview

Low-Voltage Storage System

DL2.5/DL5.0C/DL5.0C Pro/PowerDepot G2/

Powerbox Pro/Powerbox G2/PowerBrick/PowerBrick Pro

- Ultra Safe
- Flexible Expansion
- Easy Installation
- Battery Equalization
- Perfect Compatibility

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

1.3C Discharge

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

Easy Installation

30% less volume, high space utilization

All-round Safety

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

Battery Equalization

Supports for mixing modules under different SOC to ensure battery life

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
Peak Discharging Current(A)	150A@10s
Depth of Discharge (DOD)	90%
Cycle Life *	≥6000 Cycles
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

1C Discharge

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

Automatic Self-heating

-20°C to 55°C operating temperature (optional)

Easy Installation

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

Long-term Reliability

LFP cells, 8000+ cycles

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
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Operating Voltage	44.8~57.6V
Recomended 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]	558/545/150 mm
Charging Temp. Range	0~55°C/-20~55°C (with heating function)
Discharging Temp. Range	-20~55°C
Communication	CAN/RS485/RS232
Cycle Life *	≥8000 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	Solis/Deye/Luxpower/Voltronic/Hoymiles/Growatt/Goodwe/ SMA/Victron/Ingeteam/Delios/SAJ/APS 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

1C Discharge

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

Automatic Self-heating

-20°C to 55°C operating temperature (optional)

Ultra Safe

Intelligent fire extinguishing system, detects and extinguishes fire in 5s(optional)

Easy Installation

Support wall-mounted, floor-mounted installations, high space utilization

Smart Management

Real-time system monitoring, remote control, OTA updates

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/-20~55°C (with heating function)
Discharging Temp. Range	-20~55°C
Communication	CAN/RS485
WIFI Module	Built-in WIFI module; APP OTA function
Cycle Life *	≥8000 Cycles
Protection Level	IP20
Active fire protection system	Optional 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, 70%EOL

PowerDepot G2

PowerDepot G2 is a low-voltage product designed for residential energy storages. It supports 50 parallel units with a capacity range from 5.12kWh to 256kWh.It also has a high IP66 protection rating and supports indoor and outdoor installation.Built-in aerosol fire extinguisher that eliminates fire risks and ensures the safety of electricity in the home

Features and Advantages

Flexible Expansion

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

IP66 Protection

Fearless of outdoor installation, strong environmental adaptability

Ultra Safe

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

Automatic Self-heating

-20°C to 55°C operating temperature (optional)

Easy Installation

Support wall-mounted, floor-mounted installations, high space utilization

Battery Equalization

Supports for mixing modules under different SOC to ensure battery life

Specification

Model	PowerDeopt G2
Battery Type	$LiFePO_4$
Nominal Voltage/Capacity	51.2V/100Ah
Nominal Battery Energy	5.12kWh
Operating Voltage	44.8V-57.6V
Recomended Charge & Discharge C Rate	0.5C
Recommended Charge/Discharge Current	50A
Max. Charge/Discharge Current	Charge:75A/Discharge:100A
Peak Discharge Current	200A@2min
Cycle Life *	≥8000 cycles
Depth of Discharge (DOD)	95%
Charge Temperature	0°C~55°C/-20°C~55°C
Discharge Temperature	-20°C~55°C
Protection Level	IP66
Dimension[W/D/H]	450/165/660
Net Weight	54.4kg
Maximum Parallel Modules	50
Fire Protection System	Built-in aerosol fire extinguisher
WIFI Module	Built-in WiFi module, APP OTA
Communication	CAN/RS485
Certification	UN38.3/IEC62619/CE-EMC
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 *	≥8000 Cycles
Protection Level	IP65
Expansion **	Up to 50 units in parallel (This version is for production after September 2024)
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619/IEC62040/UKCA/CEC
Compatible Inverters	Solis/Deye/Luxpower/Voltronic/Hoymiles/Growatt/ Goodwe/SMA/Victron/Ingeteam/Delios/SAJ/APS etc.

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

**When old batteries are mixed with the new version, the quantity of new version batteries: Qty(new)=50-Qty(old)*2

Powerbox G2

Powerbox G2 is a low-voltage product designed for residential energy storage scenarios, supporting up to 50 parallel units, 10.24kWh--512kWh energy coverage. With 6.5in slim design, there is no limit to the installation space. 1C Discharge, providing strong power for household electricity consumption.

Features and Advantages

Flexible Expansion

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

Ultra Safe

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

Automatic Self-heating

-20°C to 55°C operating temperature
(optional)

1C Discharge

Max discharge current:200A, simultaneously supplying power to multiple loads

Easy Installation

30% less volume, 15% less weight,
save time and labor

IP66 Protection

Fearless of outdoor installation, strong environmental adaptability

Specification

Model	Powerbox G2
Battery Type	$LiFePO_4$
Nominal Battery Energy	10.24kWh
Usable Energy	9.728kWh
Operating Voltage	44.8-57.6V
Nominal Voltage	51.2V
Nominal Capacity	200Ah
Nominal Charge or Discharge Power	5.12kW
Max Discharge Power	10.24kW
Recomended Charge & Discharge C Rate	0.5C
Max Discharge C Rate	1C
Recommended Charge/Discharge Current	100A
Max Discharge Current	200A
Peak Discharge Current	300A (2mins, 25°C)
Recommended Depth of Discharge (DOD)	95%
Net Weight	99.7kg
Dimension[W/D/H]	710/165/640mm
Charging Temp. Range	0~55°C/-20~55°C (with heating function)
Discharging Temp. Range	-20~55°C
Communication	CAN/RS485
Cycle Life *	≥8000 cycles
Protection Level	IP66
Maximum Parallel Modules	50
Color	White
WIFI Module	Built-in WIFI module; APP OTA function
Battery low temperature heating function	Optional
Active fire protection system	Built-in aerosol fire extinguisher
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619/IEC62040/CE-RED/CEC
Compatible Inverters	Solis/Deye/Luxpower/Voltronic/Hoymiles/Growatt/Goodwe/ SMA/Victron/Ingeteam/Delios/SAJ/APS etc.

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

Long-term Reliability

LFP cells, 8000+ cycles

No Black Out

Maximum discharge current: 200A, simultaneously supplying power to multiple loads

Easy Installation

60% less volume, 25% less weight, easy to move by one person with wheels, Regulating wheels and top cover are optional

Ultra Safe

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

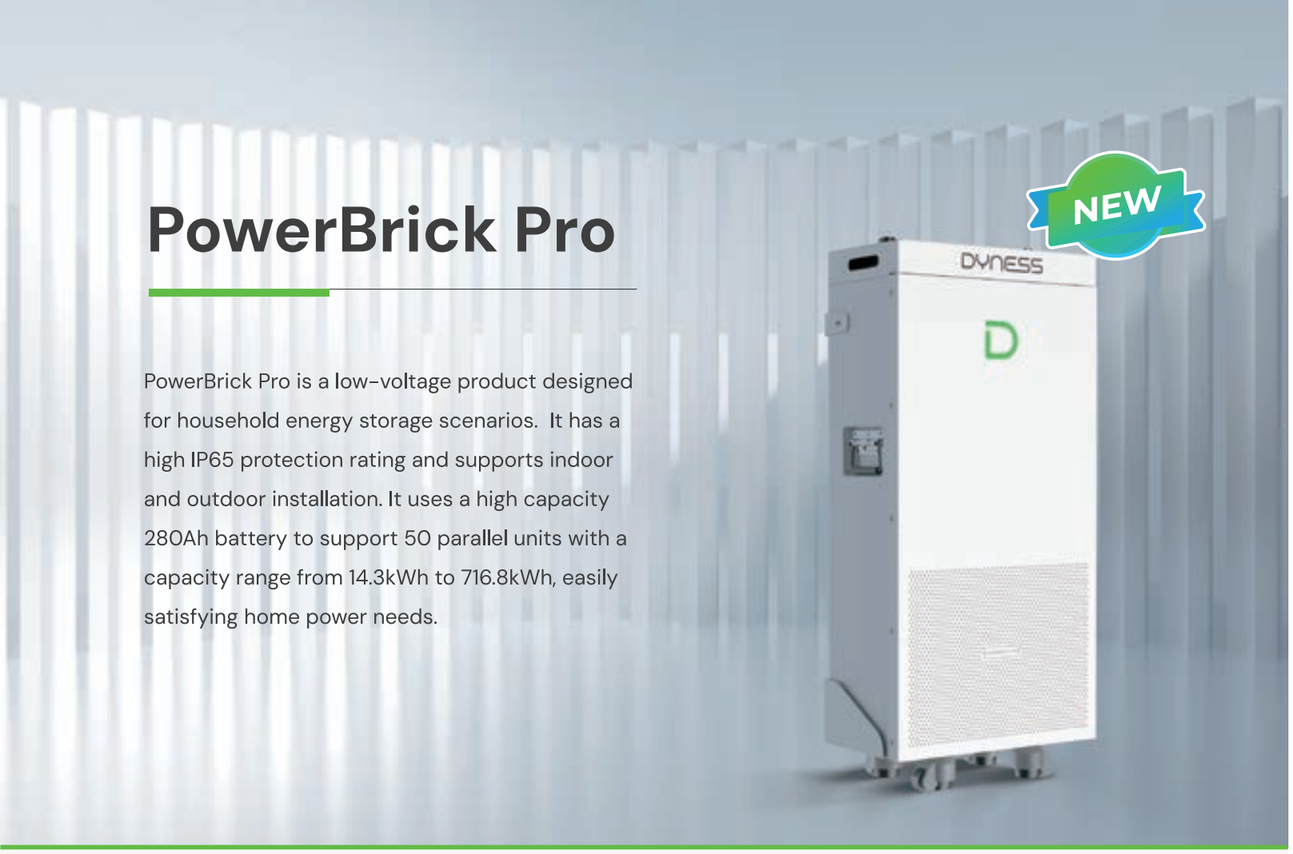
Smart Management

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/-20~55°C(optional)
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 0-21
Compatible Inverters	Solis/Deye/Luxpower/Voltronic/Hoymiles/Growatt/Goodwe/ SMA/Victron/Ingeteam/Delios/SAJ/APS etc.

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



PowerBrick Pro

PowerBrick Pro is a low-voltage product designed for household energy storage scenarios. It has a high IP65 protection rating and supports indoor and outdoor installation. It uses a high capacity 280Ah battery to support 50 parallel units with a capacity range from 14.3kWh to 716.8kWh, easily satisfying home power needs.

Features and Advantages

Fast Charge/Discharge

Maximum discharge current: 200A, simultaneously supplying power to multiple loads

Ultra Safe

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

Automatic Self-heating

-20°C to 55°C operating temperature (optional)

Easy Installation

easy to move by one person with wheels(optional)

Long-term Reliability

280Ah LFP cells, 8000+ cycles

IP65 Protection

Fearless of outdoor installation, strong environmental adaptability

Specification

Model	PowerBrick Pro
Battery Type	$LiFePO_4$
Nominal Voltage/Capacity	51.2V/280Ah
Nominal Battery Energy	14.336kWh
Operating Voltage	44.8V~57.6V
Recommended Charge & Discharge C Rate	0.5C
Recommended Charge/Discharge Current	140A
Max. Charge Current	200A
Max. Discharge Current	200A
Peak Discharge Current	300A(2min, 25°C)
Cycle Life*	≥8000 cycles
Depth of Discharge (DOD)	95%
Charge Temperature	0°C~55°C/-20°C~55°C(optional)
Discharge Temperature	-20°C~55°C
Protection Level	IP65
Dimension[W/D/H]	435/235/850mm
Net Weight	115kg
Maximum Parallel Modules	50
WIFI Module	Built-in WiFi module, APP OTA
Fire Protection System	Built-in aerosol fire extinguisher
Regulating wheel (4pcs)	1kg,80/80/80 (optional)
Top cover	2kg,422/232/60 (optional)
Communication	CAN/RS485
Certification	UN38.3/IEC62619/CE-EMC/IEC63056
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

High-Voltage Storage System

Tower S3/Tower Pro

- Ultra Safe
- Stackable Design
- High Protection Rate
- Battery Equalization
- Perfect Compatibility

Tower S3

Tower series is specifically designed for large residential, as well as small commercial and industrial applications, offering an energy capacity range from 7.1 kWh to 255.72 kWh. It has been market-verified for 5 years with 0 accidents.

Features and Advantages

Flexible Expansion

Up to 12 clusters in parallel,
7.1kWh~255.72kWh capacity

Easy Installation

0 wiring, plug&play, allow one people to install

IP54 Protection

Indoor&outdoor installations

Smart Management

Real-time system monitoring, remote control, OTA updates

Specification

Model	Tower TS7	Tower TS10	Tower TS14	Tower TS17	Tower TS21
Product Pattern					
Battery Module Type	$LiFePO_4$	$LiFePO_4$	$LiFePO_4$	$LiFePO_4$	$LiFePO_4$
Battery Module Quantity	2	3	4	5	6
Nominal Energy	7.10 kWh	10.66 kWh	14.21 kWh	17.76 kWh	21.31 kWh
Usable Energy	6.745kWh	10.127kWh	13.499kWh	16.872kWh	20.245kWh
Operating Voltage	168~216V	252~324V	336~432V	420~540V	504~648V
Nominal Voltage	192V	288V	384V	480V	576V
Nominal Capacity	37Ah	37Ah	37Ah	37Ah	37Ah
Max. Continuous Charge/ Discharge Power *	4.26 kW	6.39 kW	8.52 kW	10.65 kW	12.78 kW
Recommended Depth of Discharge (DOD)	95%	95%	95%	95%	95%
Dimensions [W/D/H] (mm)	504/380/720	504/380/920	504/380/1120	504/380/1320	504/380/1520
Net Weight [kg]	103	143	183	223	263
Charging Temperature Range	0~50°C				
Discharging Temperature Range	-10~50°C				
Communication	CAN/RS485				
Cycle life **	≥6000 Cycles				
Protection Level	IP54				
Battery Module Name	HV9637S				
Expansion	Max. 12 towers can be connected in parallel				
Certification	CE-EMC/CE-RED/IEC62040/IEC62619/IEC62477/IEC63056/UN38.3				
Compatible Inverters	Ingeteam/Solis/GoodWe/Solplanet/SAJ/DEYE/Hoymiles/SOLINTEG/Kaco ect.				

* Maximum Continuous Discharge/Charge Power when communicating with inverter is 0.6C
** Test conditions:0.2C Charging&Discharging.@25°C,95%DOD,70%EOL

Tower Pro

Tower Pro is a high-voltage product designed for residential energy storage applications. It supports a maximum of 12 clusters in parallel and provides an energy capacity range from 7.68 kWh to 276.48 kWh. The system allows for a maximum 1C discharge, and its stackable auto-configuration modules simplify installation and maintenance.

Features and Advantages

Flexible Expansion

Up to 12 clusters in parallel,
7.68kWh--276.48kWh capacity

Ultra Safe

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

Battery Equalization

Free mixing of modules within three years

1C Discharge

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

Automatic Self-heating

-20°C to 55°C operating temperature (optional)

Easy Installation

0 wiring, installation in 15 minutes by one person, save time and labor

Specification

Model	Tower Pro TP7	Tower Pro TP11	Tower Pro TP15	Tower Pro TP19	Tower Pro TP23
Product Pattern					
Battery Module Type	$LiFePO_4$	$LiFePO_4$	$LiFePO_4$	$LiFePO_4$	$LiFePO_4$
Battery Module Quantity	2	3	4	5	6
Rated Energy	7.68 kWh	11.52kWh	15.36kWh	19.2kWh	23.04kWh
Usable Energy	7.296kWh	10.944kWh	14.592kWh	18.24kWh	21.888kWh
Operating Voltage	168~216V	252~324V	336~432V	420~540V	504~648V
Nominal Voltage	192V	288V	384V	480V	576V
Nomina Capacity	40Ah	40Ah	40Ah	40Ah	40Ah
Max. Continuous Charge/Discharge Power*	7.68kW	11.52kW	15.36kW	19.2kW	23.04kW
Recommended Depth of Discharge (DOD)	95%	95%	95%	95%	95%
Dimensions[W/D/H] (mm)	587/310/788	587/310/1009	587/310/1230	587/310/1451	587/310/1672
Net Weight [kg]	109.5	150	190.5	231	271.5
Charging Temperature Range	0~55°C/-20~55°C (with heating function)				
Discharging Temperature Range	-10~55°C/-20~55°C (with heating function)				
Communication	CAN/RS485/RS232				
Cycle life**	≥8000 Cycles				
Protection Level	IP55				
Heating Function	PI Heating (Optional)				
Fire Protection Function	Built-in aerosol fire extinguisher				
OTA Remote Upgrade Function	Equipped				
Battery Module Name	HV9640				
Expansion	Max. 12 Tower Pro can be connected in parallel				
Certification	IEC62619/IEC63056/IEC62477/IEC62040/CE-EMC/VDE2510-50				
Compatible Inverters	Solis/Deye/SOLINTEG/Growatt/GoodWe/MEGAREVO/SAJ/ Sinexcel/Atess/Hoymiles/Kaco etc.				

* Maximum Continuous Discharge/Charge Power when communicating with inverter is 1C
* * Test conditions:0.2C Charging&Discharging.@25°C,95%DOD

Commercial and Industrial Energy Storage Products

- Optimal Investment
- Safe & Reliable
- High Energy Density
- All scenario
- Intelligent O&M

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

Ultra Safe

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

1C Rate

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

Easy Installation

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

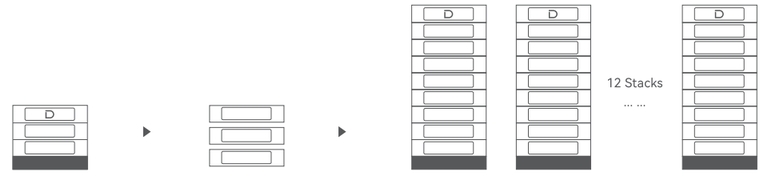
Long-term Reliability

LFP cells, 8000+ cycles, 0 decay in 3 years

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	≥8000 cycles
Single Cluster Dimension[W/D/H]	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/IEC62619/IEC63056/IEC62477/IEC62040/UN38.3/VED2510
Compatible Inverters	Solis/Deye/SOLINTEG/Growatt/Goodwe/MEGAREVO/SAJ/Sinexcel/ATESS/Hoymiles etc.

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

STACK100 Pro

STACK100 Pro 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 clusters in parallel,
15KWh--921KWh capacity

Safe & Reliable

Six-layer safety protection,IP66 high protection rating

1C Rate

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

Easy Installation

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

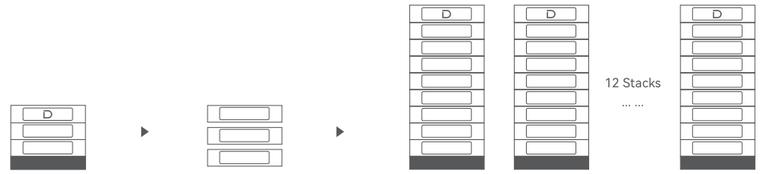
Unparalleled Silence

Original cooling design with natural convection for ultimate silence

Battery Equalization

Free mixing of modules within three years

Specification



Model	STACK100 Pro
Battery Type	$LiFePO_4$
Module Voltage/Capacity	51.2V/100Ah
Single Module Weight	55kg
System Modules Serial Number	3~15
System Energy Range	15.36~76.8kWh
Operating Voltage	134V~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 [1]	≥8000 cycles
Single Cluster Dimension[W/D/H] (mm) [2]	657/460/(292+191*n)
Charging Temp. Range	0°C~55°C/-20°C~55°C(Optional)
Discharging Temp. Range	-20~55°C
System Protection Level	IP66
Fire Protection System	Pressure relief valve, Aerosol fire extinguisher, Temperature probe. Aerogel pad between batteries(Optional), Fireproof protection for the module(Optional), CO detector(Optional)
Installation method	Cable-free stacking
Cooling method	Natural Cooling
WIFI Module	Built-in WIFI module; APP OTA function
Battery Module Name	S51100 pro
Certification & Safety Standard	CE-EMC/CE-RED/62619/63056/62477/62040/UN38.3/VED2510
Compatible Inverters	Solis/GoodWe/Growatt/DEYE/Solinteg ect.

[1] Test conditions: 0.2C Charging& Discharging. @25°C, 95% DOD, 70%EOL
[2] "n" stands for the number of battery modules

STACK280

STACK280 is suitable for 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 property.

Features and Advantages

Flexible Expansion

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

Ultra Safe

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

Easy Installation

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

Long Life

LFP cells, 8000+ cycles

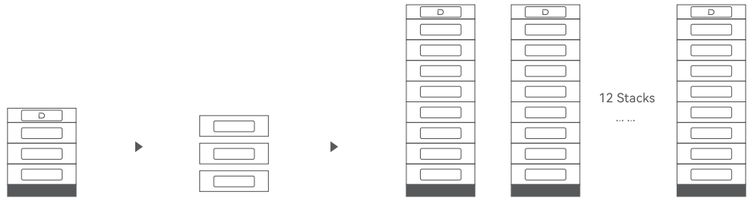
Module Mixing

Mixing of modules within three years

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
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°C~55°C/-20°C~55°C(Optional)
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.

BF100

BF100 is a DC battery cabinet that can be installed outdoors. It is air-cooling design and is equipped with a 3rd party 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 detector, 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 3rd party 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 detector, 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

BF200-DC

BF200-DC is an outdoor air-cooling DC cabinet, single cabinet capacity of 215kWh. Suitable for industrial and commercial scenarios, with PV system to realize the functions of peak feed-in and self-generation and self-consumption.

Features and Advantages

Easy Installation

Easy to install, no need to modify the existing PV equipment to realize system expansion

IP55+C3

Resistant to outdoor installation with strong environmental adaptability

High Return Rate

Improve the utilization rate of PV power generation & feed-in tariffs, and high rate of return on investment

Smart & Efficient

Optical storage adopts DC coupling scheme with high system efficiency; the system operates automatically and can flexibly adjust the PV Internet access period

Specification

Model	BF200-DC
Battery	
Battery Type	LFP ($LiFePO_4$)
Battery Capacity	280Ah
PACK Configuration	1P16S*15
Rated Current	140A
Max. Current	160A
Voltage Range	696~864Vdc
Nominal Capacity	215kWh
PV IN	
Max. Input Power	50kW*3
Max. Input Current	100A*3
Short-circuit Current	150A
Input Voltage Range	200~670Vdc
Start-up Voltage	250Vdc
MPPT Path	3
DC OUT	
Rated Power	25kW*2
Voltage Range	700±20Vdc
Max. Output Current	50A*2
System	
Weight	2500±100kg
Dimension (W/D/H)	1850/1195/2258mm
Max. Efficiency	94%
Air Conditioner Power	3kW (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
Cooling Method	Air cooling
Noise	≤75dB
Elevation	3000m (Derating Above 2000m)
Fire Protection	Aerosol, Multi-sensor/Water ingress detector
Communication	Ethernet/4G/RS485

DH100F

DH100F features an integrated multifunctional design that supports PV access and on-grid to off-grid switching. It encompasses the whole scenario of photovoltaic, storage and diesel generator. The single cabinet capacity of 71/86/100kWh optional, allowing for customization based on electricity consumption needs. This system is ideal for office parks, commercial buildings, charging stations, and other small industrial and commercial applications.

Features and Advantages

Flexible Expansion

Single cabinet capacity of 71/86/100kWh optional, supports both on-grid and off-grid AC parallel operation.

Safe & Reliable

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

IP55 +C3

Fearless of outdoor installation, strong environmental adaptability

Simple O&M

Modular design, rear outlet and lower outlet mode, easy to install, easy to layout, easy to maintain

Full-scenario

Supporting PV access, on-grid to off-grid switching, covering the whole scenario of photovoltaic, storage and diesel generator

Specification

Model	DH100F-C70	DH100F-C80	DH100F-C100
Battery			
Battery Type	$LiFePO_4$		
Battery Capacity	280Ah		
Rated Current	140A		
Max. Current	160A		
PACK Configuration	1P16S*5	1P16S*6	1P16S*7
Voltage Range	232~288Vdc	278.4~345.6Vdc	324.8~403.2Vdc
Nominal Capacity	71kWh	86kWh	100kWh
On-grid AC Side			
Rated Power	35kW	40kW	50kW
AC Maximum Current	60A	74A	86A
AC Rated Voltage	400Vac		
Wiring Method	3P4L+PE		
Frequency	50Hz/60Hz		
Power Factor	0.8 (Leading)~0.8 (Lagging)		
THDi	< 5% (Rated power)		
Off-grid AC Side			
Rated Power	35kVA	40kVA	50kVA
AC Maximum Current	60A	74A	86A
AC Rated Voltage	400Vac		
Wiring Method	3P4L+PE		
Frequency	50Hz/60Hz		
Unbalanced Load	100%		
THDv	<3% (Liner load)		
Photovoltaic (Optional)			
Max. Input Power	25kW*2	30kW*2	35kW*2
Max. Input Current	80A*2		
Short-circuit Current	100A		
Max. Voltage	1000Vdc		
Input Voltage Range	300~1000Vdc	350~1000Vdc	400~1000Vdc
Start-up Voltage	375Vdc	440Vdc	500Vdc
MPPT Path	2		
System			
Weight	1500±100kg	1600±100kg	1700±100kg
Dimension (W/D/H)	1200/1205/2260mm		
Max. Efficiency	≥84%		
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		
Cooling Method	Air cooling		
Noise	≤70dB		
Elevation	3000m (Derating above 2000m)		
Display	Touch screen		
Fire Protection	Aerosol, Multi-sensor/Water ingress detector, Explosion-proof ventilation		
Communication	Ethernet/4G/RS485		
Certification	CE, LVD, UN38.3		

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.

Stabilized Power Supply

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

PV DC Coupling

DC-coupled PV, improving power generation efficiency, reducing system costs

Flexible Wiring

Multiple wiring options reduce site constraints and lower installation difficulty/cost

Safe & Reliable

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

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	100kVA
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)	1845/1190/2250mm
Max. Efficiency	≥87%
Air Conditioner Power	3kW (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
Cooling method	Air cooling
Noise	≤70dB
Elevation	3000m (Derating above 2000m)
Display	Touch screen
Fire Protection	Aerosol, Water fire system, Multi-sensor/Water ingress detector, Audible&Visual alarm, Explosion-proof ventilation
Communication	Ethernet/4G/RS485
Certification	CE, LVD, UN38.3

DH200Y

DH200Y is the first high-security, high-energy density, DC1000V liquid-cooled all-in-one energy storage system designed for grid-connected projects, including office parks, commercial buildings, and charging stations. Single cabinet capacity of 232kWh, maximum support for 10 machines in parallel, expandable to 2.3MWh. With a 9% increase in energy density and a 10% reduction in floor space. The higher energy density provides superior options for energy storage solutions.

Features and Advantages

Flexible Expansion

Maximum support for 10 machines in AC parallel, expandable to 2.3MWh; reserved DC expansion interface

Economical

Occupies an area of 1.58m², energy density up to 147kWh/m², low installation costs

Ultra Safe

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

Smart Temperature Control

PACK smart liquid cooling+PCS smart air cooling, cluster-level temperature difference≤ 3°C

Ultra-high Level Protection

PACK+PCS IP65,C3/C5 anti-corrosion grade optional, handles harsh environments such as high humidity and salt spray corrosion with ease

Simple O&M

Modular design, pre-maintenance solution for easy access and O&M, and support for online monitoring and O&M

Specification

Model	DH200Y
Battery	
Battery Type	LFP ($LiFePO_4$)
Battery Capacity	280Ah
PACK Configuration	1P52S*5
Rated Current	140A
Max. Current	160A
Voltage Range	754~936Vdc
Nominal Capacity	232kWh
On-grid AC Side	
Rated Power	100kW
AC Maximum Current	145A
AC Rated Voltage	400Vac
Wiring Method	3P4L+PE
Frequency	50Hz
Power Factor	1(Leading)~1(Lagging)
THDi	≤3% (Rated power)
Max. Number Of Parallel Expansions	10
System	
Weight	2600±100kg
Dimension (W/D/H)	1055/1475/2400mm
Max. Efficiency	90%
Liquid-cooling Power	2.5kW (Cooling), 2kW (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 C5)
Cooling Method	PACK Liquid-cooling + PCS Air-cooling
Noise	≤75dB
Elevation	3000m (Derating above 2000m)
Display	Touch screen
Fire Protection	Aerosol, Multi-sensor/Water ingress detector, Explosion-proof ventilation
Communication	Ethernet/4G/RS485
Certification	CQC, CE, TUV, LVD, UN38.3

DH800Y

DH800Y is a new-generation fully liquid-cooled, modular energy storage system featuring a 690V medium-voltage grid connection solution. Each cabinet has a capacity of up to 836 kWh and achieves system efficiency of 90%. Fully liquid-cooled design, enabling full-capacity operation at ambient temperatures up to 50°C without derating. This system offering an ultra-high AC output power of 4.2 MW and a substantial DC storage capacity of 16 MWh to support a wide range of applications.

Features and Advantages

Modular & Flexible

- 6-unit parallel system fits in a 20ft container (All-in-one 5MWh solution) footprint
- Modular design, expansion on demand, pre-commissioned AC/DC integrated delivery

Safety & Reliability

- 3+2 safety protection, PACK/cluster/water fire suppression + explosion-proof venting design, 2-hour flame-retardant enclosure
- Smart dehumidification, Reduces dew point to prevent condensation
- Full liquid cooling, 15-year service life

Standardized Delivery & O&M

- Standard container transport, transfered by forklift/crane
- Plug-and-play modular installation, 30% faster project deployment

IRR Boost up to 12%

- High energy density, 35% reduction in land costs
- Modular design, 35% lower transportation costs
- AI-driven O&M, 20% lower maintenance costs

Specification

Model	DH800Y-2H	DH800Y-4H
Battery		
Battery Type	LFP ($LiFePO_4$)	
Battery Capacity	314Ah	
PACK Configuration	1P416S*2	
Rated Current	157A	
Max. Current	180A	
Voltage Range	1164.8~1497.6Vdc	
Nominal Capacity	836kWh	
On-grid AC Side		
Rated Power	420kW	210kW
AC Maximum Current	360A	180A
AC Rated Voltage	690Vac	690Vac
Wiring Method	3P3W+PE	3P3W+PE
Frequency	50Hz/60Hz	50Hz/60Hz
Power Factor	1(Leading)~1(Lagging)	1(Leading)~1(Lagging)
THDi	≤3% (Rated power)	≤3% (Rated power)
Max. Number Of Parallel Expansions	10	20
System		
Weight	Battery cabinet: Approx.6800kg (TBD) Electrical cabinet: Approx.1700kg(TBD)	Battery cabinet: Approx.6800kg (TBD) Electrical cabinet: Approx.1600kg(TBD)
Dimension (W/D/H)	Battery cabinet: 1000/2438/2350mm Electrical cabinet: 1000/2438/965mm	
Max. Efficiency	90%	
Operating Temperature	-30~50°C	
Operating Humidity	0~95%RH (Non-condensing)	
Ingress Protection	IP55	
Anti-corrosion Grade	C4	
Cooling Method	Fully liquid-cooling	
Noise	≤75dB	
Elevation	3000m (Derating above 2000m)	
Display	APP	
Fire Protection	Aerosol, Water fire system, Multi-sensor/Water ingress detector, Audible&Visual alarm, Explosion-proof ventilation, Explosion Relief (Optional)	
Communication	Ethernet/4G/RS485/Bluetooth	
Standard	CQC, CE, UL9540A, UN38.3	

Residential Application Cases

- **South Africa** DL5.0C

- **Philippines** Powerbox Pro

- **Thailand** PowerBrick

- **Australia** Powerbox G2

- **Romania** Powerbox G2

- **Germany** Tower

C&I Application Cases

- **China** DH200Y

- **Hungary** DH200Y

- **Thailand** STACK100

- **Brazil** PowerRack HV4

- **Bulgaria** DH200F

- **Germany** DH200F

After-sales Service

Online + offline comprehensive operation and maintenance service system

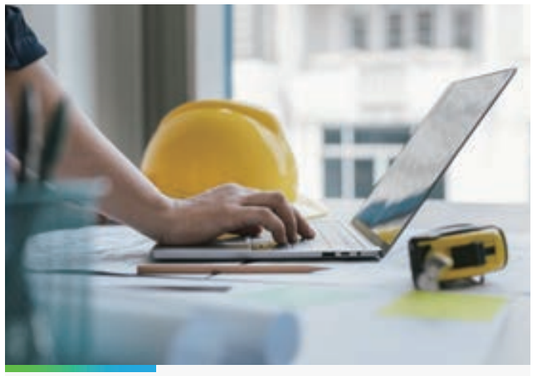
+86 400 666 0655

Offline

8 Supporting Languages

13 Service Center

Worldwide Service Locations



Online

Sophisticated Online Service Platform

200+ Online Service Engineer

https://support.dyness.com

Professional

Localized technical support and costomized service solutions.

Efficient

After-sales service response time is less than 1 hour.

Responsible

Customer centricity and 98% customer satisfaction