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**DYNESS UK Limited**  
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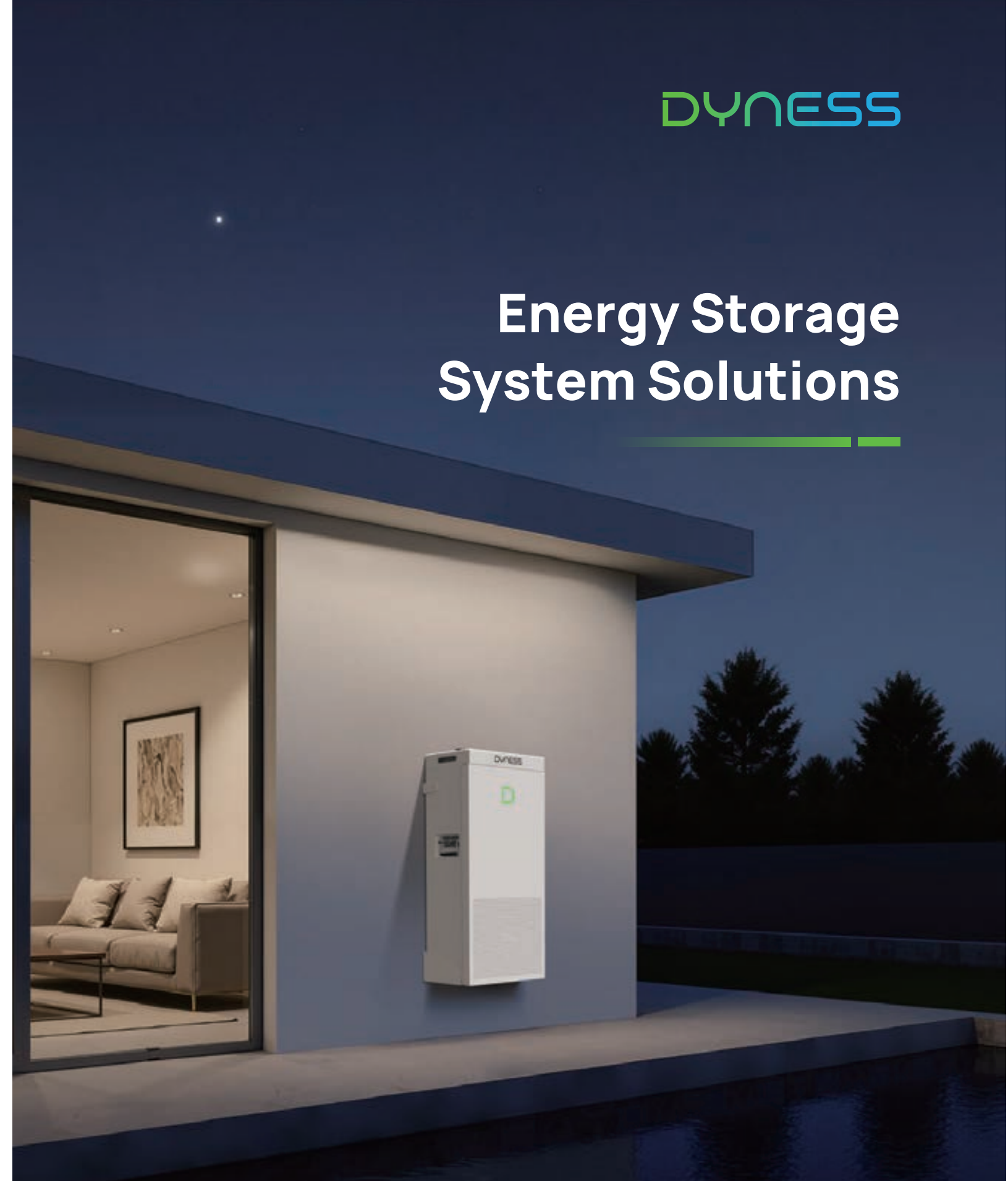
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# Energy Storage System Solutions



**Ukraine**

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

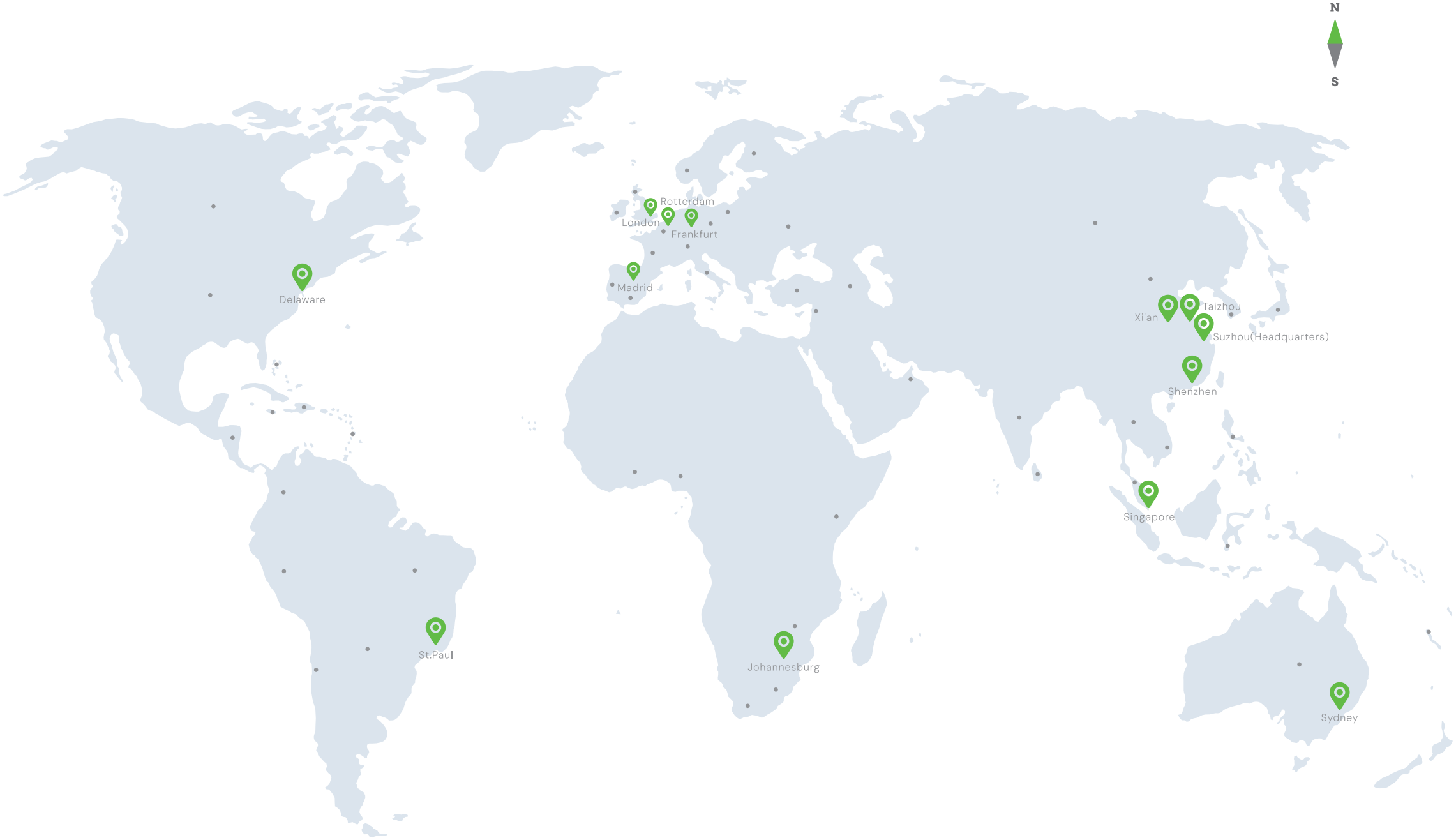
## The Global Pioneering Energy Storage Solutions Innovator

- EUPD Top Brand PV (Storage)
- China TOP 500 Hidden Unicorn
- iF 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

DL5.0C Pro/PowerBrick/PowerBrick Pro



Ultra Safe



Flexible Expansion



Easy Installation



Battery Equalization



Perfect Compatibility



# 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
- Automatic Self-heating**  
-20°C to 55°C operating temperature  
(optional)
- Easy Installation**  
Support wall-mounted, floor-mounted  
installations, high space utilization
- 1C Discharge**  
Simultaneously supplying power to multiple  
loads, no need to worry about power outages
- Ultra Safe**  
Intelligent fire extinguishing system, detects  
and extinguishes fire in 5s(optional)
- Smart Management**  
Real-time system monitoring, remote  
control, OTA updates

## Specification

Model	DL5.0C Pro
Battery Type	LiFePO <sub>4</sub>
Nominal Battery Energy	5.12kWh
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	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 (optional)
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

# 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 fre extinguishing system,  
detects and extinguishes fire in 5s

### Automatic Self-heating

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

### 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

### Long-term Reliability

280Ah LFP cells, 8000+ cycles,  
10 years warranty

## Specification

Model	PowerBrick
Battery Type	LiFePO <sub>4</sub>
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 / 10 Years
Protection Level	IP20
Net Weight	114kg
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	0~55°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 O-21
Compatible Inverters	SMA/Victron energy/Ingeteam/Solis/GoodWe/Growatt/ Solplanet/Luxpower/DEYE/Apsystem 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
- Automatic Self-heating**  
-20°C to 55°C operating temperature (optional)
- Long-term Reliability**  
280Ah LFP cells, 8000+ cycles, 10-year warranty

- Ultra Safe**  
Intelligent fire extinguishing system, detects and extinguishes fire in 5s
- Easy Installation**  
easy to move by one person with wheels(optional)
- IP65 Protection**  
Fearless of outdoor installation, strong environmental adaptability


## Specification


Model	PowerBrick Pro
Battery Type	LiFePO <sub>4</sub>
Nominal Voltage/Capacity	51.2V/280Ah
Nominal Battery Energy	14.336kWh
Operating Voltage	44.8V~57.6V
Recomended 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/10 Years
Depth of Discharge (DOD)	95%
Charge Temperature	0~55°C/-20~55°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

# Commercial and Industrial Energy Storage Products


STACK100/STACK100 Pro/STACK280/  
BF100/BF200/DH200F

 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 clusters in parallel,  
15kWh--921kWh capacity

### 1C Rate

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

### Automatic Self-heating

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

### Ultra Safe

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

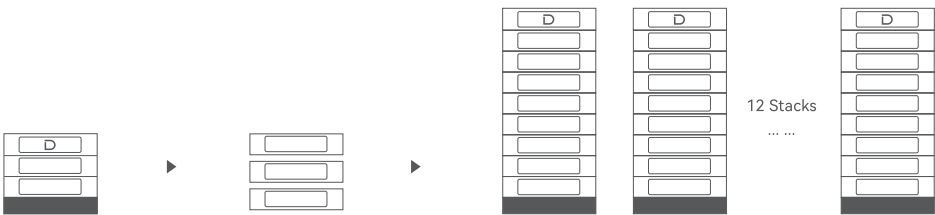
### Easy Installation

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 <sub>4</sub>
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 / 10 Years
Single Cluster Dimension[W/D/H]	590/390/(233+133*n),"n" stands for the number of battery modules
Charging Temp. Range	0°C~55°C/-20°C~55°C (optional)
Discharging Temp. Range	-20~55°C
Protection Level	IP20
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	S51100
Certification & Safety Standard	CE-EMC/CE-RED/62619/63056/62477/62040/UN38.3/VED2510
Compatible Inverters	Kostal/Ingeteam/Solis/GoodWe/Growatt/Solplanet/SAJ/DEYE/Hoymiles/SOLINTEG ect.

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

# STACK100 Pro



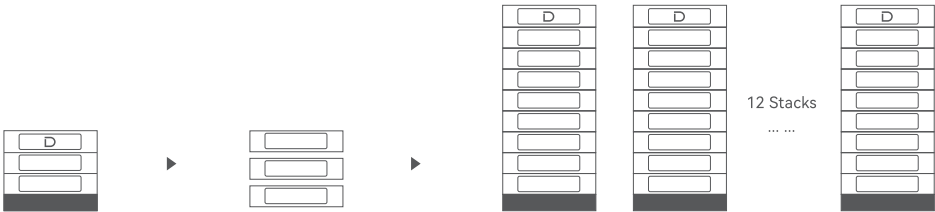
Stack100 Pro is suitable for residential and small commercial and industrial scenarios. Rackless and stackable design is easy to plug and play. It supports 12 clusters in parallel with a maximum capacity of 921kWh and supports 1C charge/discharge.



## Features and Advantages

- Flexible Expansion**  
Up to 12 clusters in parallel,  
15KWh--921KWh capacity
- 1C Rate**  
Suitable for grid frequency regulation, charging  
stations and other scenarios, cost saving
- Unparalleled Silence**  
Original cooling design with natural convection  
for ultimate silence
- Safe & Reliable**  
Six-layer safety protection, IP66 high  
protection rating
- 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 Pro
Battery Type	LiFePO <sub>4</sub>
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 / 10 Years
Single Cluster Dimension[W/D/H] (mm)[2]	657/460/(292+169*n)
Charging Temp. Range	0°C~55°C/-20°C~55°C ( optional)
Discharging Temp. Range	-20°C~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

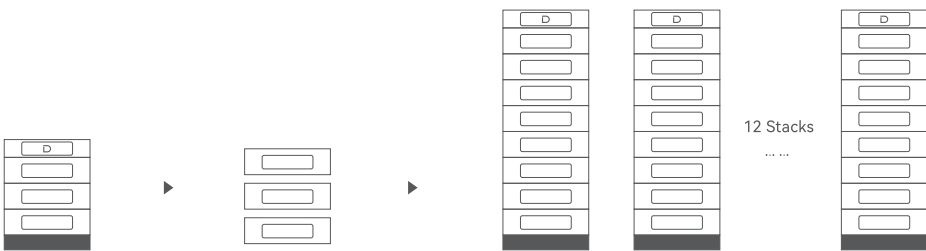
STACK280 is suitable for small commercial and industrial scenarios. Rackless and stackable design is easy to plug and play. It uses a high capacity 280Ah battery to support 12 clusters in parallel with a maximum capacity of 2.58MWh. Built-in aerosol fire extinguisher that eliminates fire hazards within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



## Features and Advantages

- Flexible Expansion**  
Up to 12 clusters in parallel,  
43kWh~2.58MWh capacity
- 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 fire 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 <sub>4</sub>
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 <sup>[1]</sup>	≥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. <sup>[2]</sup>
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 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, supports up to 10 years of extended warranty for batteries.
- 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	LFP (LiFePO <sub>4</sub> )	
Battery Capacity	280Ah	
Rated Current	140A	
Max. Current	160A	
PACK Quantity	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	
Display	Touch screen	
Elevation	3000m (Derating above 2000m)	
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/10 years	
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, supports up to 10 years of extended warranty for batteries
- 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 <sub>4</sub>
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 /10 years
Compatible Inverters	Megarevo/Solis/SOSEN/SOLINTEG

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

# 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
- Safe & Reliable**

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

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

## Specification

Model	DH200F
Battery	
Battery Type	LiFePO <sub>4</sub>
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



## Application Cases

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Dyness has provided safe, reliable, and high-quality products and services to over 500,000 users





# Residential Application Cases



• South Africa DL5.0C



• Yemen DL5.0C



• Philippines PowerBrick



• Thailand PowerBrick



• Thailand PowerBrick



• Ireland DL5.0C



# C&I Application Cases



• Belgium DH200F



• Netherlands DH200F



• Vietnam BF100



• Thailand STACK100



• India STACK100



• Bulgaria DH200F



# After-sales Service

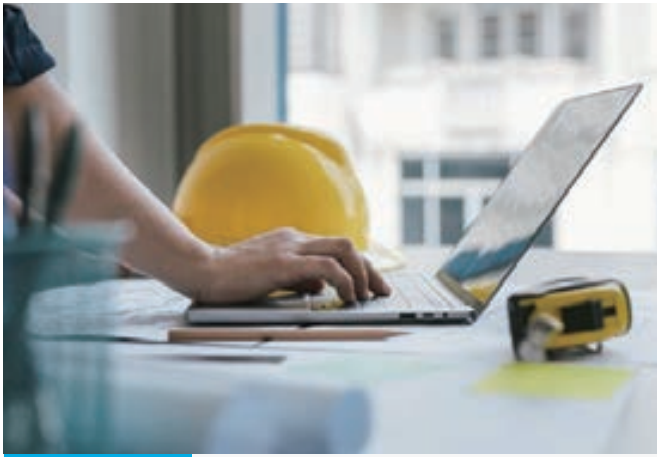
Online + offline comprehensive operation and maintenance service system

+31 (0)10 30 717 52



## Offline

- 8 Supporting Languages
- 13 Service Centers
- Worldwide Service Locations



## Online

- Sophisticated Online Service Platform
- 200+ Online Service Engineers
- <https://support.dyness.com>



## Professional

Localized technical support and customized service solutions.



## Efficient

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



## Responsible

Customer centricity and 98% customer satisfaction

