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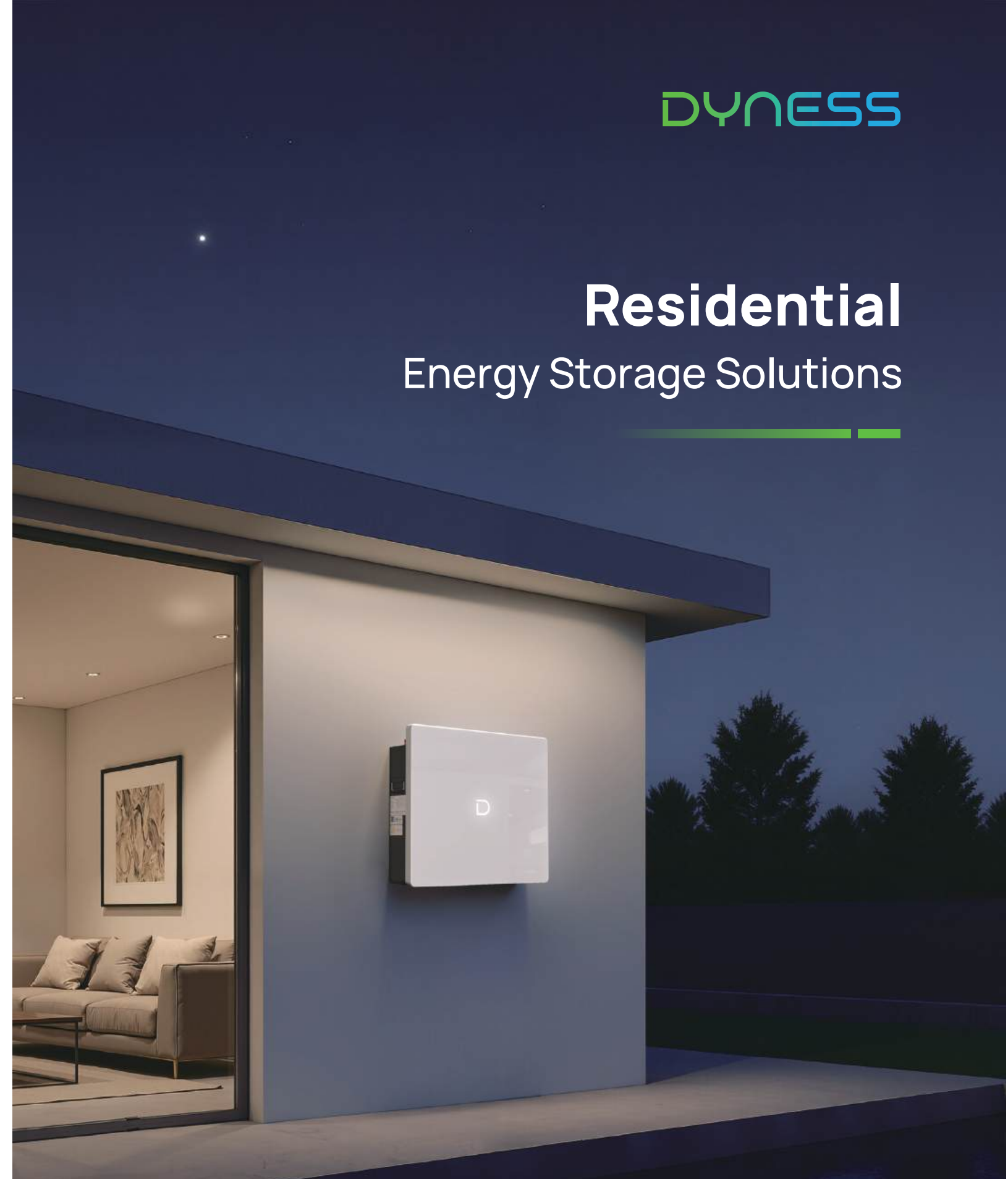
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Residential Energy Storage Solutions



Europe

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

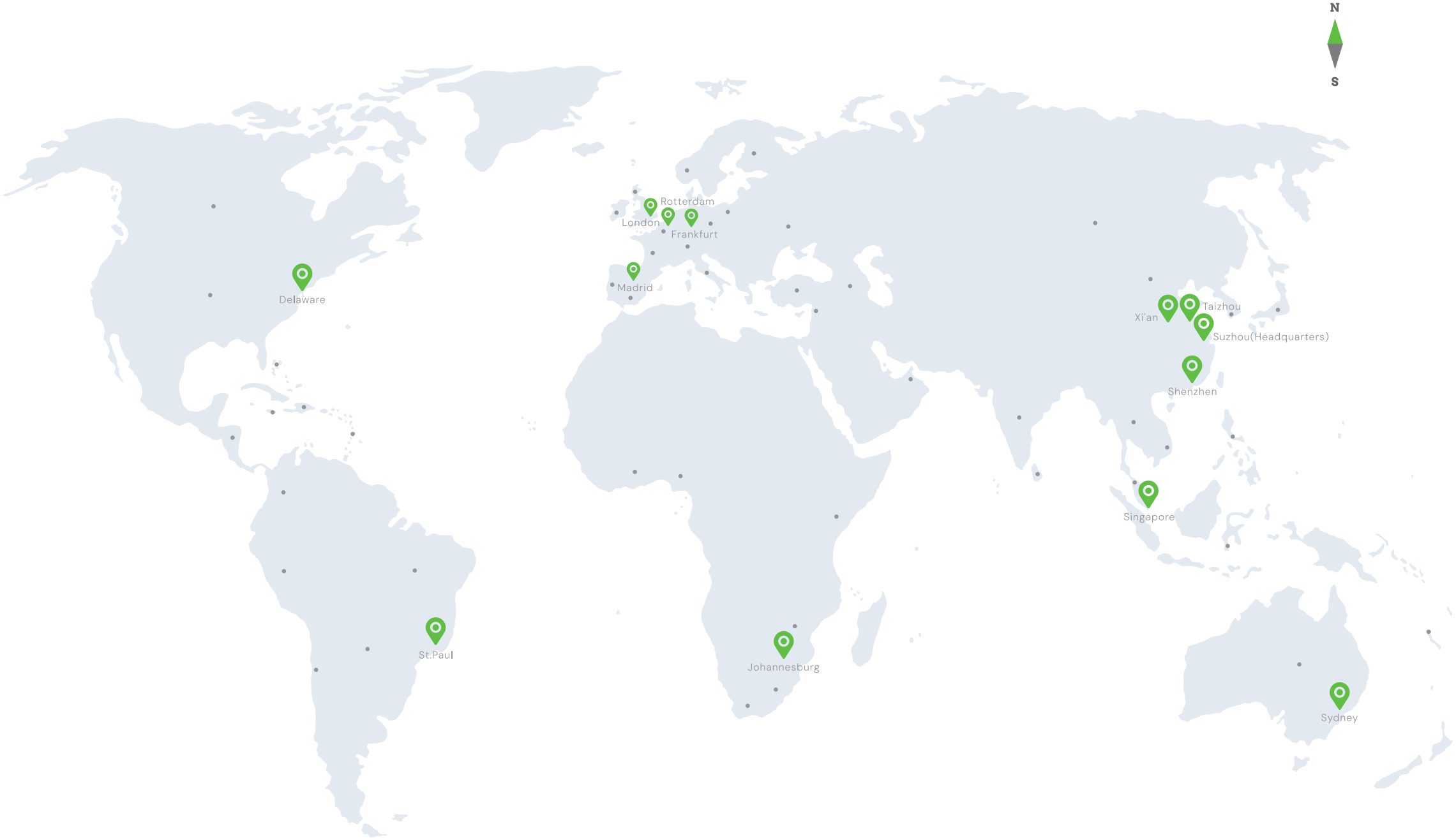
The Global Pioneering Energy Storage Solutions Innovator

- 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

Low-Voltage Storage System

DL5.0C/DL5.0C Pro/PowerDepot G2/
Powerbox G2/Powerbox Pro/PowerBrick SC/
PowerBrick/PowerBrick Pro/



Ultra Safe



Flexible Expansion



Easy Installation



Battery Equalization



Perfect Compatibility



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

Automatic Self-heating

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

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
Recomended Charge & Discharge C Rate	0.5C
Maximum Discharge Crate	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	49.9 kg
Dimension[W/D/H]	558/545/150mm
Charging Temp. Range	0~55°C/~20~55°C (with heating function)
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

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 ₄
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 (with heating function)
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	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/Ingteam/Solis/GoodWe/Growatt/ Solplanet/Luxpower/DEYE/Apsystem etc.

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

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

Ultra Safe

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

Easy Installation

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

IP66 Protection

Fearless of outdoor installation, strong
environmental adaptability

Automatic Self-heating

-20°C to 55°C operating tempera-
ture (optional)

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/10 years
Depth of Discharge (DOD)	95%
Charge Temperature	0°C~55°C/-20°C~55°C (optional)
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/Victronenergy/Ingeteam/Solis/GoodWe/Growatt/ Solplanet/Luxpower/DEYE/Apsystem etc.

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

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

Automatic Self-heating

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

Easy Installation

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

Ultra Safe

Intelligent fire extinguishing system, react
within 5 seconds, automatically pressure
relief

1C Discharge

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

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	96kg
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
Expansion	Up to 50 units in parallel
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/CEI 0-21
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
- Ultra Safe**

Intelligent fire extinguishing system,
detects and extinguishes fire in 5s
- Long-term Reliability**

LFP cells, long cycles, 10 years warranty,
maximum discharge current: 200A
- Automatic Self-heating**

-20°C to 55°C operating temperature
(optional)
- Easy Installation**

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

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

Specification

Model	PowerBrick SC
Battery Type	LiFePO ₄
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/-20°C~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/IEC62619(TBD)
Compatible Inverters	Solis/GOODWE/Growatt/SMA/Victron/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 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 / 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 0-21/IEC63056
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 ₄
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°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/Tower Pro



Ultra Safe



Stackable Design



High Protection Rate



Battery Equalization



Perfect Compatibility



Tower

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

IP54 Protection

Indoor&outdoor installations

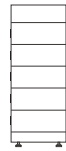
Easy Installation

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

Smart Management

Real-time system monitoring, remote control, OTA updates

Specification

Model	Tower T7	Tower T10	Tower T14	Tower T17	Tower T21
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	21.31kWh
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)	504/380/700	504/380/900	504/380/1100	504/380/1300	504/380/1500
Net Weight [kg]	105	146	187	228	269
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	HV9637				
Expansion	Max. 12 towers can be connected in parallel				
Certification	UL1973/CE-EMC/CE-RED/IEC62040/IEC62619/IEC62477/IEC63056/UKCA/ROHS/VDE2510-50/ISO14067/CEC/UN38.3/CEI-021				
Compatible Inverters	Kostal/Ingeteam/Solis/Goodwe/Solplanet/Deye/Hoymiles/Solinteg/SINENG/Sinexcel/Kaco ect.				

* Maximum Continuous Discharge/Charge Power when communicating with inverter is 0.6C

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

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 charge and 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
- Battery Equalization**
Free mixing of modules within three years
- Automatic Self-heating**
-20°C to 55°C operating temperature
- Ultra Safe**
Intelligent fire extinguishing system,
detects and extinguishes fire in 5s
- 1C Charge/Discharge**
Simultaneously supplying power to multiple loads,
no need to worry about power outages
- 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
Nominal 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	-20~55°C				
Discharging Temperature Range	-20~55°C				
Communication	CAN/RS485/RS232				
Cycle life **	≥8000 Cycles				
Design life	15 Years				
Protection Level	IP55				
Warranty	10 Years				
Heating Function	Polyimide Film Heating				
Fire Protection Function	Aerosol fire extinguishing				
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/CEI 0-21/CEI 0-16				
Compatible Inverters	kostal/Ingeteam/Solis/GoodWe/Kaco/Solplanet/DEYE/Hoymiles/SOLINTEG ect.				

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

Balcony Energy Storage Solution

SolarCube/PowerHaus



Plug & Play



Ultra Safe



Stable Power Supply



Noise-Less Design



Smart Control



SolarCube

The SolarCube integrates advanced 4 MPPTs technology with a total PV power of 3 kW efficiently captures every ray of sunlight. UPS-level switching within 10 ms ensures seamless power supply during outages. Plug-and-play design enables easy installation and seamless integration with existing solar systems. Built-in direct-connect meter and compatibility with Shelly smart meters allow real-time monitoring and optimization for maximum self-consumption.



Features and Advantages

- Smart Energy Control**
Built-in direct-connect meter and compatibility with Shelly & P1 smart meter
- Easy Installation**
Plug & play, DIY setup, add up to 5 batteries for 16kWh capacity
- 4 MPPT/3000W Solar Input**
Suitable for multi-orientation roofs, high PV conversion efficiency
- AC-Coupled**
Compatible with 99% micro inverters
- Cost Saving**
Smart charge/discharge scheduling based on TOU tariffs to reduce electricity bill
- Stable Power Supply**
UPS-level switching time less than 10ms, 8000+cycles, IP65 protection

Specification

Model	D800-LHC	D1.2-LHC	D2.0-LHC	D800-LAS	D1.2-LAS	D2.0-LAS
PV						
Max.PV Input Power (W)	3000			/		
Number of DC Input	4			/		
Number of MPP Trackers	4			/		
Max. Input Voltage (V)	60			/		
MPPT Range (V)	16-60			/		
Max.Input Currrent (A)	18/18/18/18			/		
Max.Short Current (A)	25/25/25/25			/		
MPPT efficiency	99%			/		
OFF GRID						
Nominal Output Voltage (V)	230					
Nominal Apparent Power (VA)	2000					
Max. Output Apparent Power without Grid (VA)	2000					
Nominal Output Frequency (Hz)	50/60					
Overvoltage Protection	YES					
Short Circuit Protection	YES					
Over temperature Protection	YES					
Max.Power From Micro Inverter (VA)	1600					
Max.AC Current From Micro Inverter (A)	7					
ON GRID						
Nominal Power Output To Grid (VA)	800	1200	2000	800	1200	2000
Max.Power Output To Grid (VA)	2000					
Max.Power From Grid (VA)	3000					
Operation phase	L / N / PE					
Nominal Output Frequency (Hz)	50/60					
Nominal Output Voltage (V)	230					
Output Power Factor	Adjustable from 0.8 leading to 0.8 lagging					
Output THDi (Nominal Power)	<3%					
Nominal AC Current To Grid (A)	3.5	5.3	8.7	3.5	5.3	8.7
Max.AC Current To Grid (A)	8.7					
General Data						
Grid To Off-grid Transfer Time (ms)	≤10					
Off-grid To Grid Transfer Time (ms)	≤10					
Dimension (W/D/H mm)	480/320/295					
Weight (kg)	16.8			15		
Protection Degree	IP65					
Display	LCD; APP; Web					
Communication	Wi-Fi, Bluetooth					
Communication with BMS	CAN					
Topology	High frequency isolation					
Noise (dB)	<30					
Operating Temperature Range (°C) ^[2]	-20-55					
Relative Humidity (%)	0-95%					
Operating Altitude (m)	3000					
Cooling Method	Natural Cooling					
Certifications & Standards						
Grid Regulation	EN 50549-1/10, VDE 4105					
Safety Regulation	IEC/EN62109-1/2, IEC62477-1:2012_1, EN 18031-1					
EMC	IEC/EN 61000-6-1/3,EN 301489-1/17,EN 300328,EN 62311					

Model	S32100
Battery Type	
Single Cell Rated Energy (kWh)	3.2
Single Cell Nominal Capacity (Ah)	100
Maximum capacity expansion (kWh)	16
Max.Charge/Discharge Current (A)	70/70
Rated Voltage (V)	32
Cycle Life [1]	≥8000
Operating Temperature Range (°C)	-20-55
Dimension (W/D/H mm)	480/320/217
Weight (kg)	29
Depth of Discharge (DOD)	95%
Certification	UN38.3/IEC 62619/EN 61000-6-1/2/3/4

[1] Test conditions: 0.2C Charging& Discharging. @25 °C, 95% DOD, 70%EOL
[2]Charging Temp. Range:0-55°C/-20-55°C (Standard with heating function)

PowerHaus

PowerHaus 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

Ultra Safe

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

Easy Installation

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

IP66 Protection

Fearless of outdoor installation, strong
environmental adaptability

Automatic Self-heating

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

Specification

Model	PowerHaus
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/10 years
Depth of Discharge (DOD)	95%
Charge Temperature	0°C~55°C/-20°C~55°C (optional)
Discharge Temperature	-20°C~55°C
Protection Level	IP66
Dimension[W/D/H]	450/165/640mm
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	Solis/GOODWE/Growatt/SMA/Victron/DEYE/Apsystem etc.

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

Application Cases

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



Residential Application Cases



• South Africa DL5.0C



• Australia Powerbox G2



• Philippines Powerbox Pro



• Thailand PowerBrick



• Romania Powerbox G2



• Germany Tower

After-sales Service

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- Worldwide Service Locations



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Localized technical support and customized service solutions.



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



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Customer centricity and 98% customer satisfaction

