DYNESS

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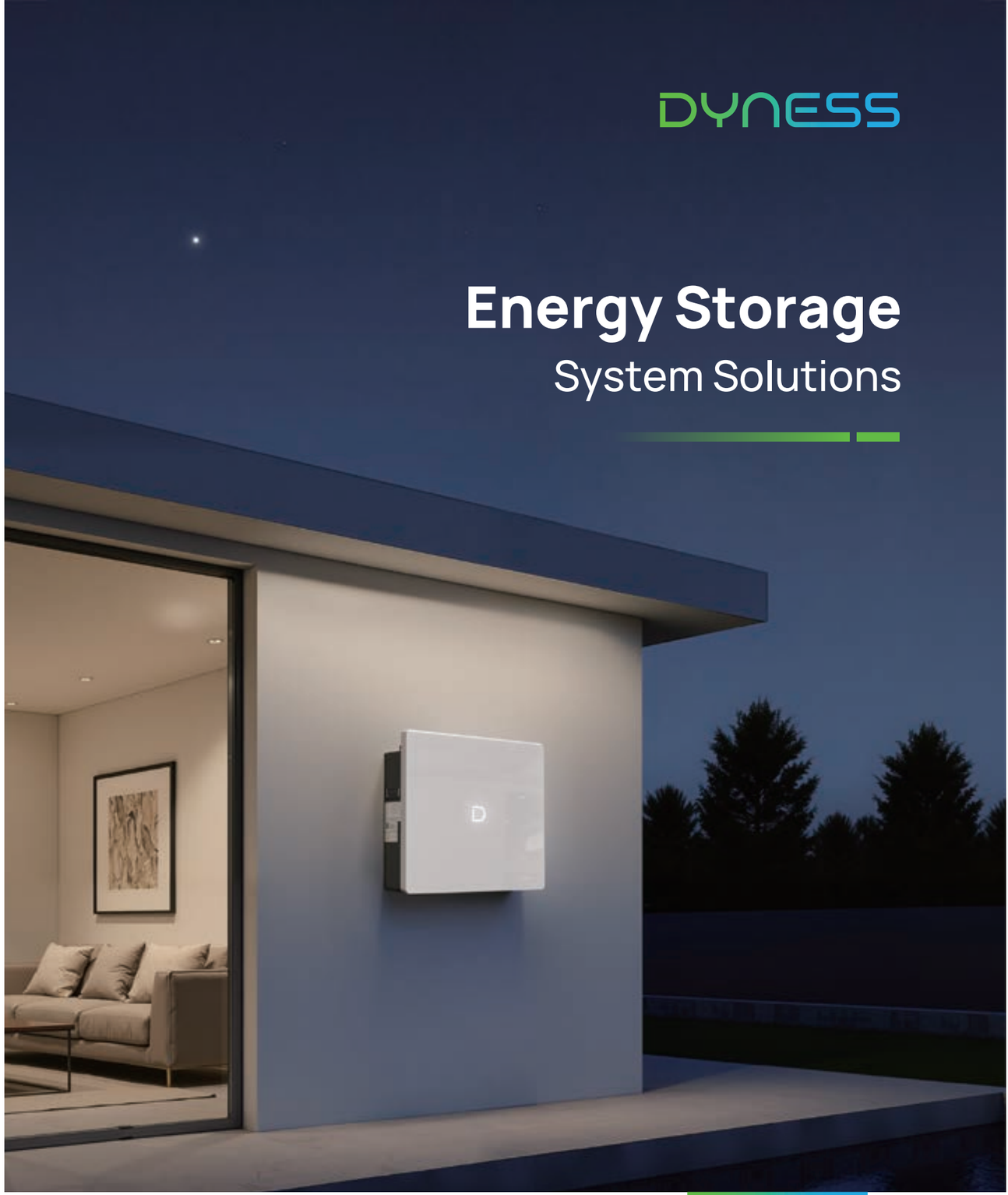
DYNESS

Energy Storage

System Solutions



Middle East

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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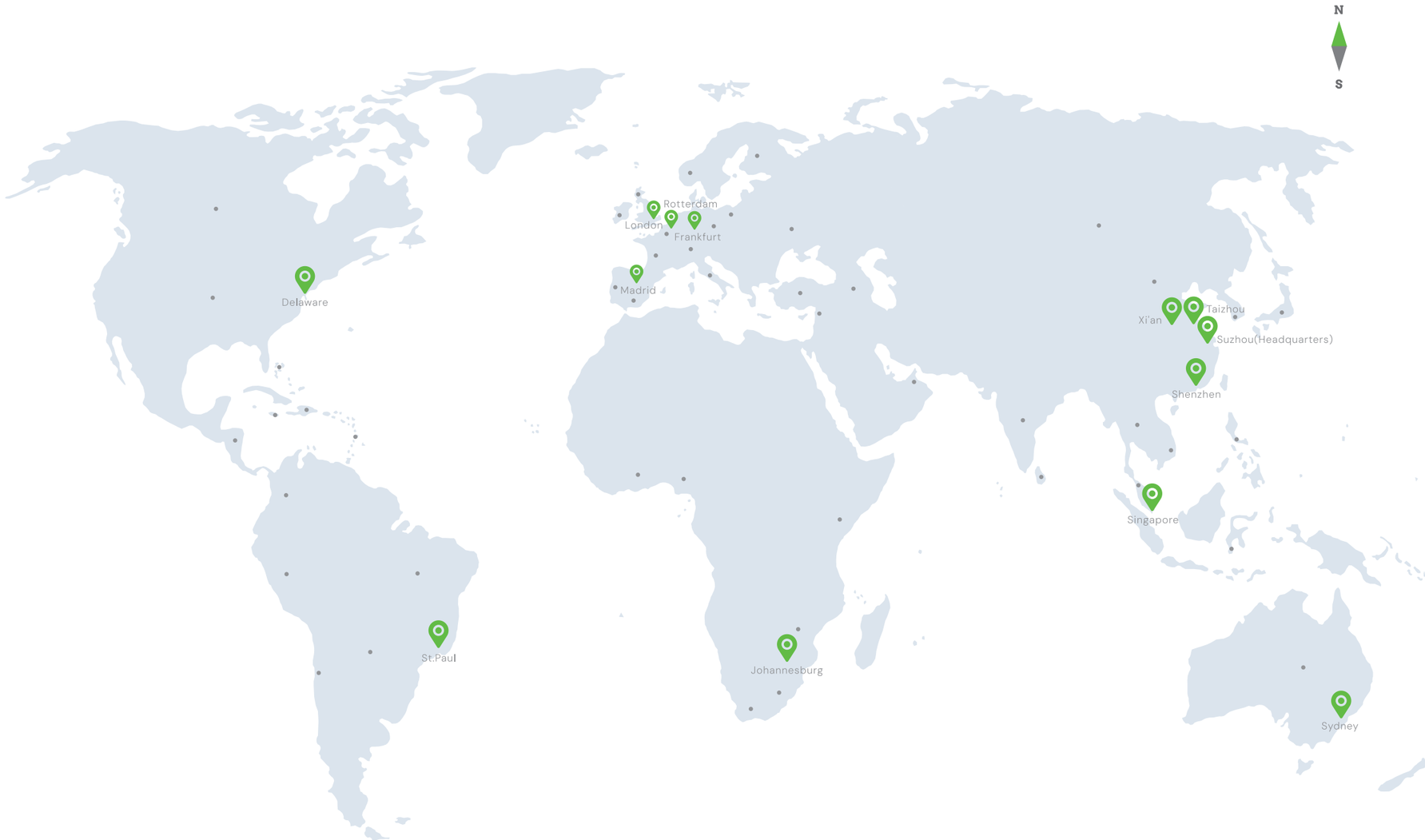


Main Shipping Areas

Branches

13
Global Branches

2
Production Centres

2
R&D Centres

3GWh
Annual Production Capacity

100+
Global Markets

500,000+
Users

Residential Energy Storage Products

- Ultra Safe
- Flexible Expansion
- Easy Installation
- Smart Management
- Perfect Compatibility

DL25200

DL25200 is a low-voltage energy storage product designed for home use, with maximum support for 50 parallel units, 5.12kWh-256kWh energy coverage, 25.6V voltage platform, 150A discharge current, providing strong power for home electricity use.

Features and Advantages

Capacity expansion

Max. support for 50 parallel units, 5.12kWh-256kWh energy coverage

Long-lasting and reliable

High-performance lithium iron phosphate batteries, ≥6000 cycles

Convenient installation

Supports wall-mounted, floor-mounted, high space utilization

Comprehensive protection

short-circuit lockout, anti-surge impact, all-round protection of electricity safety

Intuitive display

LCD display screen

Specification

Model	DL25200
Battery Type	$LiFePO_4$
Nominal Battery Energy	5.12 kWh
Nominal Capacity	200Ah
Nominal Voltage	25.6V
Operating Voltage	22.4~28.8V
Recommended Charge & Discharge C Rate	0.5C
Recommended Charge/Discharge Current	100A
Maximum Discharge Current	150A(0.75C)
Peak Discharge Current	200A(10min)
Depth of Discharge (DOD)	95%
Net Weight	≈50kg
Dimension[W/D/H]	558/545/150 mm
Charging Temp. Range	0~55°C
Discharging Temp. Range	-20~55°C
Communication	CAN/RS485
Cycle Life *	≥6000 Cycles
Protection Level	IP20
WIFI Module	Optional
Expansion	Up to 50 units in parallel
Display	LCD
Installation	Wall/Floor
Certification&Safety Standard	UN38.3
Compatible Inverters	Steca/Sorotec/Must/Victron/Growatt/SRNE/Voltronic

* Test conditions: 0.2C Charging& Discharging. @25°C, 95% 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, 6000+ 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	49.9 kg
Dimension[W/D/H](mm)	558/545/150
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

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, automaticly pressure relief

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/10 Years
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
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

No Black Out

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

Ultra Safe

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

Easy Installation

60% less volume, 25% less weight, easy to move by one person with wheels

Automatic Self-heating

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

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 / 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
Compatible Inverters	SMA/Schneider/Victron energy/Ingeteam/Solis/GoodWe/ Growatt/Solplanet/Luxpower/DEYE etc.

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

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

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 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

Ultra Safe

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

Battery Equalization

Free mixing of modules within three years

1C Charge/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
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	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				
Warranty	10 Years				
Heating Function	PI Heating (Optional)				
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				
Compatible Inverters	kostal/Ingeteam/Solis/GoodWe/Growatt/Solplanet/SAJ/DEYE/Hoymiles/SOLINTEG/Kaco ect.				

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

LR1.2

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

Features and Advantages

Light Weight

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

Flexible Module

Module design, easy expansion in series and parallel

Easy Installation

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

Long Service Life

More than 3000 cycles

High Protection Level

IP65

Specification

Model	LR1.2
Battery Type	$LiFePO_4$
Nominal Battery Energy	1.28kWh
Nominal Capacity	100Ah
Nominal Voltage	10-14.8V
Max. Power Charge/Discharge Current	100A (1C)
Depth of Discharge (DOD)	100%
Net Weight	10.5kg
Dimension[W/D/H]	330mm/172mm/214mm
Charging Temp. Range	0~50°C
Discharging Temp. Range	-20~55°C
Protection level	IP65
Cycle Life *	≥3000 cycles
Expansion	4 in series and parallel
Certification & Safety Standard	UN38.3

Commercial and Industrial Energy Storage Products

- All-in-one
- 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

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

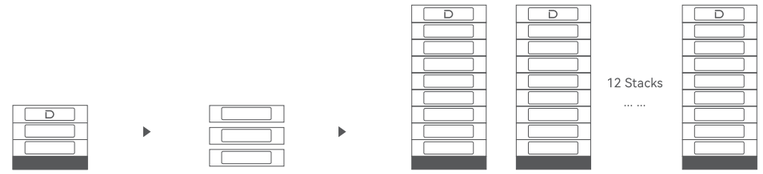
Automatic Self-heating

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

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 / 10 Years
Single Cluster Dimension[W/D/H]	590/390/(233+133*n),"n" stands for the number of battery modules
Charging Temp. Range	0~55°C/-20~55°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
Compatible Inverters	Ingeteam/Solis/GoodWe/Growatt/Solplanet/SAJ/DEYE/Hoymiles/SOLINTEG ect.

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

PowerRack HV4

PowerRack HV4 series features a rack-mount structure design that is ideal for medium-sized industrial and commercial applications. It supports up to 12 clusters of parallel machines with a maximum expansion capacity of 921 kWh. This effectively enhances PV consumption, provides backup power or peak shifting to ensure the safe and stable operation of the system.

Features and Advantages

Flexible Expansion

Modular design, up to 12 clusters in parallel, 20.48KWh--921KWh capacity

Long-term Reliability

LFP cells, 10 years long warranty; Intelligent BMS monitors battery status in real time

Economical

Rack structure, lower cost, higher space utilization

Intelligent O&M

Optional Wi-Fi module, real-time data monitoring and troubleshooting, one-key intelligent upgrade

Specification

Model	HV51100
Battery Type	$LiFePO_4$
Nominal Battery Energy	5.12kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Net Weight	43.5kg
Dimension(W/D/H)	481/535/140mm
Charging Temp. Range	0-55°C
Discharging Temp. Range	-20-55°C
Communication	CAN
Cycle Life *	>6000 Cycles
Protection Level	IP20
Expansion	Up to 15 units in series
Compatible Inverters	Ingeteam/Solis/GoodWe/Solplanet/DEYE/Hoymiles/SOLINTEG/SINENG/Sinexcel/TBB power ect
Certification & Safety Standard	UN38.3/CE-EMC

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

Rack Type	PowerRack HV4		
Rack System Control unit Type	BDU100		
Battery Module Type	HV51100		
Battery Module Quantity	4~7 units	8~11 units	12~15 units
Nominal Battery Energy	5.12kWh×n(n=4~7)	5.12kWh×n(n=8~11)	5.12kWh×n(n=12~15)
Nominal Capacity	100Ah	100Ah	100Ah
Nominal Voltage	51.2V×n(n=4~7)	51.2V×n(n=8~11)	51.2V×n(n=12~15)
Nominal Power Output	3.07kW×n(n=4~7)	3.07kW×n(n=8~11)	3.07kW×n(n=12~15)
Max.Power Output	5.12kW×n(n=4~7)	5.12kW×n(n=8~11)	5.12kW×n(n=12~15)
Recommend Charging Current	50A	50A	50A
Recommend Discharging Current	50A	50A	50A
Net Weight	62+12+43.5kg×n(n=4~7)	86+12+43.5kg×n(n=8~11)	62×2+12+43.5kg×n(n=12~15)
Dimension(W/D/H)	601/610/1392mm	601/610/2012mm	601/610/1392mm*2(Two clusters)
Module Quantity and Configuration	4~7 Units in series	8~11 Units in series	12~15 Units in series

BF100

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

Features and Advantages

Flexible Expansion

Single unit capacity options of 86/100kWh, supports 6 DC expansion units, with flexible capacity configuration

Ultra-long Lifespan

LFP battery, 8000+ cycles, maximum support 10-year long warranty

Simple O&M

Modular design, side outlet mode, easy to install, and easy to maintain.

Safe & Reliable

Three-stage 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℃ (Derating above 45℃)	
Operating Humidity	0~95%RH (Non-condensing)	
Ingress Protection	IP55	
Anti-corrosion Grade	C3	
Cooling Method	Air-cooling	
Noise	≤65dB (TBD)	
Elevation	3000m (Derating above 2000m)	
Display	Touch screen	
Fire Protection	Aerosol, Multi-sensor/Water ingress, Explosion-proof ventilation	
Communication	Ethernet/4G/RS485	
Certification	CE, LVD, UN38.3	
Depth of Discharge	95%	
Cycle Life*	≥8000 cycles/10 years	
Compatible Inverters	Solis/Megarevo/SOSEN/SOLINTEG	

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

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-stage 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)		
AC (Off-grid)			
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	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)		
Temperature	-20~50℃ (Derating above 45℃)		
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, 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.

PV DC Coupling

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

Stabilized Power Supply

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

Flexible Wiring

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

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℃(Derating above 45℃)
Operating Humidity	0~95%RH (Non-condensing)
Ingress protection	IP55
Anti-corrosion Grade	C3
Cooling method	Air cooling
Noise	≤70dB
Elevation	3000m (Derating above 2000m)
Display	Touch screen
Fire Protection	Aerosol, Water fire system, Multi-sensor/Water ingress, Audible&Visual alarm, Explosion-proof ventilation
Communication	Ethernet/4G/RS485
Certification	CE, LVD, UN38.3

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

Triple-level fire suppression + 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	$LiFePO_4$
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℃ (Derating above 45℃)
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, 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: 5200±100kg (TBD) Electrical cabinet: 500±50kg (TBD)	Battery cabinet: 5100±100kg (TBD) Electrical cabinet: 410±50kg (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(Optional C5)	
Cooling Method	Fully liquid-cooling	
Noise	≤75dB	
Elevation	3000m (Derating above 2000m)	
Display	APP	
Fire Protection	Aerosol, Water fire system, Multi-sensor/Water ingress, Audible&Visual alarm, Explosion-proof ventilation, Explosion Relief (Optional)	
Communication	Ethernet/4G/RS485	
Standard	CQC, CE, UL9540A, UN38.3	

B229-1H

C1200-DC-EN

EV1200-S-CCS2

EV1200-D-CCS2

StorCharge-4C

StorCharge-4C MW-level storage-charging series adopting a modular distributed design,it can be flexibly paired with multi-specification ultra-fast charging piles and fast charging piles to enable "charge-and-go" operation. It meets diverse charging demands for commercial vehicles, heavy-duty trucks, large electric buses, construction machinery, and specialty vehicles.

E-taxi | E-vehicle | E-bus | Transport truck | E-truck

Features and Advantages

Ultra-Fast Charging

Up to 4C output, meeting MW-level ultra-high-power charging demands for heavy-duty applications.

PV-Storage-Charging Integration

Enables solar PV coupling and DC-side storage integration for intelligent peak shaving, eliminating grid upgrade requirements.

Extreme Performance

Liquid-cooled thermal management for superior environmental adaptability (-30°C to 55°C), DC-coupled architecture delivers up to 6% higher system efficiency

Low Cost

High-rate modular design reduces footprint and grid connection costs, Universal terminal compatibility maximizes ROI across all vehicle types

Specification

Model	B229-1H
Battery	
Battery Type	LFP ($LiFePO_4$)
Battery Capacity	320Ah
PACK Configuration	1P32S*7
Max. Charging Current	320A
Rated Discharging Current	640A
Max. Discharging Current	1280A
Voltage Range	649.6~806.4Vdc
Nominal Capacity	229kWh
On-grid AC Side	
Rated Power	230kW
AC Maximum Current	396A
AC Rated Voltage	400Vac
Wiring Method	3P3L+PE
Frequency	50Hz/60Hz
Power Factor	1(Leading)~1(Lagging)
THDi	≤1.5% (Rated power)
Photovoltaic (Optional)	
Max. Input Power	50kW*3
Max. Input Current	85A*3
Short-circuit Current	110A
Input Voltage Range	200~600Vdc
Start-up Voltage	250Vdc
MPPT Path	3
System	
Weight	2800±100kg (TBD)
Dimension (W/D/H)	1895/1520/2360mm
Max. Efficiency	90%（0.5C）
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+DC/DC Air-cooling
Noise	≤75dB
Elevation	3000m (Derating above 2000m)
Display	Touch screen
Fire Protection	Aerosol, Water fire system, Multi-sensor/Water ingress, Audible&Visual alarm, Explosion-proof ventilation
Communication	Ethernet/4G/RS485

Model	C1200-DC-EN
Charging Stack	
Total Power	1200kW
Input Voltage Range	300~900Vdc
Max. Input Current	2000A
Output Voltage Range	200-1000Vdc
Max. Output Current	800A*2，1500A*1
Output Voltage Error	≤±0.5%
System	
Weight	Approx. 1.8T (TBD)
Dimension (W/D/H)	2000/1100/2150mm (TBD)
Max. Efficiency	98%
Operating Temperature	-30~50°C
Operating Humidity	0~95%RH (Non-condensing)
Ingress Protection	IP55
Anti-corrosion Grade	C3 (Optional C5)
Cooling Method	Liquid-cooling
Elevation	3000m（Derating above 2000m）
Output Protection	Over/Under voltage, Over-current, Short-circuit, Over-temperature, Communication, Anti-reverse current protection

Model	EV1200-S-CCS2	EV1200-D-CCS2
Charging Pile		
Max. Charging Power	1200kW	1200kW
Output Voltage Range	200-1000Vdc	200-1000Vdc
Max. Output Current	1500A	800A*2
Output Voltage Error	≤±0.5%	≤±0.5%
Weight	180kg (TBD)	190kg (TBD)
Dimension (W/D/H)	600/430/1680mm	
Max. Efficiency	97%	
Operating Temperature	-30~50°C	
Operating Humidity	0~95%RH (Non-condensing)	
Ingress Protection	IP55	
Anti-corrosion Grade	C3 (Optional C5)	
Cooling Method	Liquid-cooling	
Elevation	4000m (Derating above 2000m)	
Output Protection	Over-voltage, Over-current protection	

DH2150Y-BC

The DH2150Y-BC mobile liquid-cooled storage and charging integrated container features a standard 20-foot high-cube design,with a total system capacity of 2.15MWh. It is equipped with a self-developed storage and charging operation management platform, it significantly enhances charging convenience and flexibility, enabling plug-and-play deployment to solve the "last-mile" charging challenge.

Features and Advantages

Integrated Storage&Charging

DC coupled of ESS and charging,highly compact design to overcome parking space limitations.

Smart&High Efficiency

Dynamically distributes charging power, combined with AI-powered cloud platform management for precise control, reducing costs and improving efficiency.

Cluster-Level Management

Independent management prevents system-wide downtime due to single unit failures and mitigates battery inconsistency issues.

Emergency Backup Power

Supports off-grid operation with plug-and-play deployment, meeting temporary power supply and distributed site requirements.

Ultimate Safety

PACK/cluster/water fire suppression +venting design+3-stage circuit breaking

Simple O&M

Modular design for easy installation, layout, and servicing, and support for online monitoring and O&M

Specification

Model	DH2150Y-BC
Battery	
Battery Type	LFP ($LiFePO_4$)
Battery Capacity	280Ah
Battery Configuration	1P240S*10
Rated Current	140A*10
Max. Current	160A*10
Voltage Range	696~864Vdc
Nominal Capacity	2150kWh
Charging Stack	
Total Power of Charging Stack*	760kW
Max. Power of Single Gun	150kW
Max. Current of Single Circuit	250A
Output Voltage Range	200-1000Vdc
Output Voltage Error	≤±0.5%
Number of Charging Gun	6
Length of Gunline	5m
Charging Standard	European standard DC fast charging CCS2 (Meets DIN 70121 and ISO 15118 protocols)
Charging Method	Swipe, Scan, NFC, APP
HMI	7-inch Touch screen
System	
Dimension (W/D/H)	6058/2438/2896mm (High Cube)
Weight	Approx. 28T (TBD)
Max. Efficiency	≥97%（TBD）
Temperature	-20~50°C (Derating above 45°C)
Humidity	0~95%RH (Non-condensing)
Ingress Protection	IP55
Anti-corrosion Grade	C3
Cooling Method	PACK Liquid-cooling, DC/DC Air-cooling
Elevation	3000m (Derating above 2000m)
Fire Protection	Aerosol, Water fire system, Multi-sensor/Water ingress, Audible&Visual alarm, Explosion Relief
Output Protection	Emergency stop, Access control, Water ingress, Over/Under voltage, Overload, Short circuit, Ground, High/Low temperature, Lightning protection, Fire protection

* When all 6 charging guns are in use, the system prioritizes the earliest connected: 4 at 150kW max and 2 at 80kW.

Model	EPCS1050-EN
AC	
Operating Power Requirements*	230Vac, 50Hz/60Hz, ≥2kW
Rated Power	100kW*10
AC Maximum Current	167A*10
AC Rated Voltage	400Vac
Wiring Method	3P3L+PE
Frequency	50Hz/60Hz
THDi	≤3% (Rated power)
DC Out	
Rated Power	100kW*10
Rated Current	140A*10
Output Voltage Range	615~950Vdc
Structure	
Dimension (W/D/H)	1515/1200/2250mm
Weight	Approx. 1400kg (TBD)
Max. Efficiency	98.50%
Cooling Method	Air-cooling

* PCS cabinets need to be connected to the auxiliary power supply separately.

Project Cases

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Residential Application Cases

- **40.96kWh**
  8 units DL5.0C South Africa

- **61.44kWh**
  12 units DL5.0C Yemen

- **19.2kWh**
  4 units A48100 South Africa

- **14.21kWh**
  Tower T14 Sri Lanka

- **10.66kWh**
  Tower T10 Czech Republic

- **48kWh**
  10 units A48100 Lebanon

- **10.24kWh**
  Powerbox G2 Romania

- **172.8kWh**
  48 units B3 South Africa

- **61.44kWh**
  6 units Powerbox Pro South Africa

C&I Application Cases

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

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

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

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

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

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

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

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