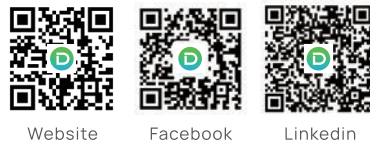




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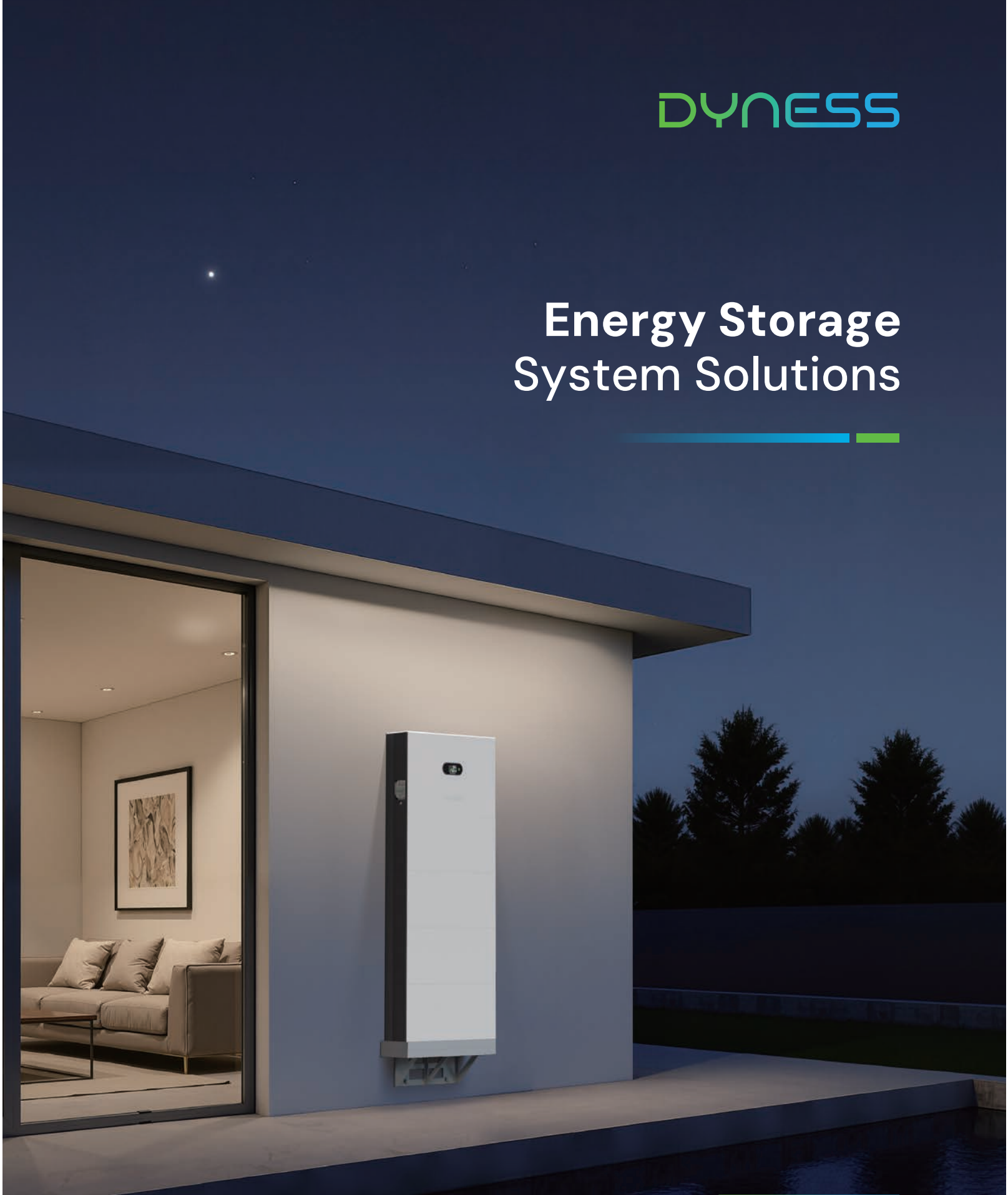
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Energy Storage
System Solutions



Australia

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



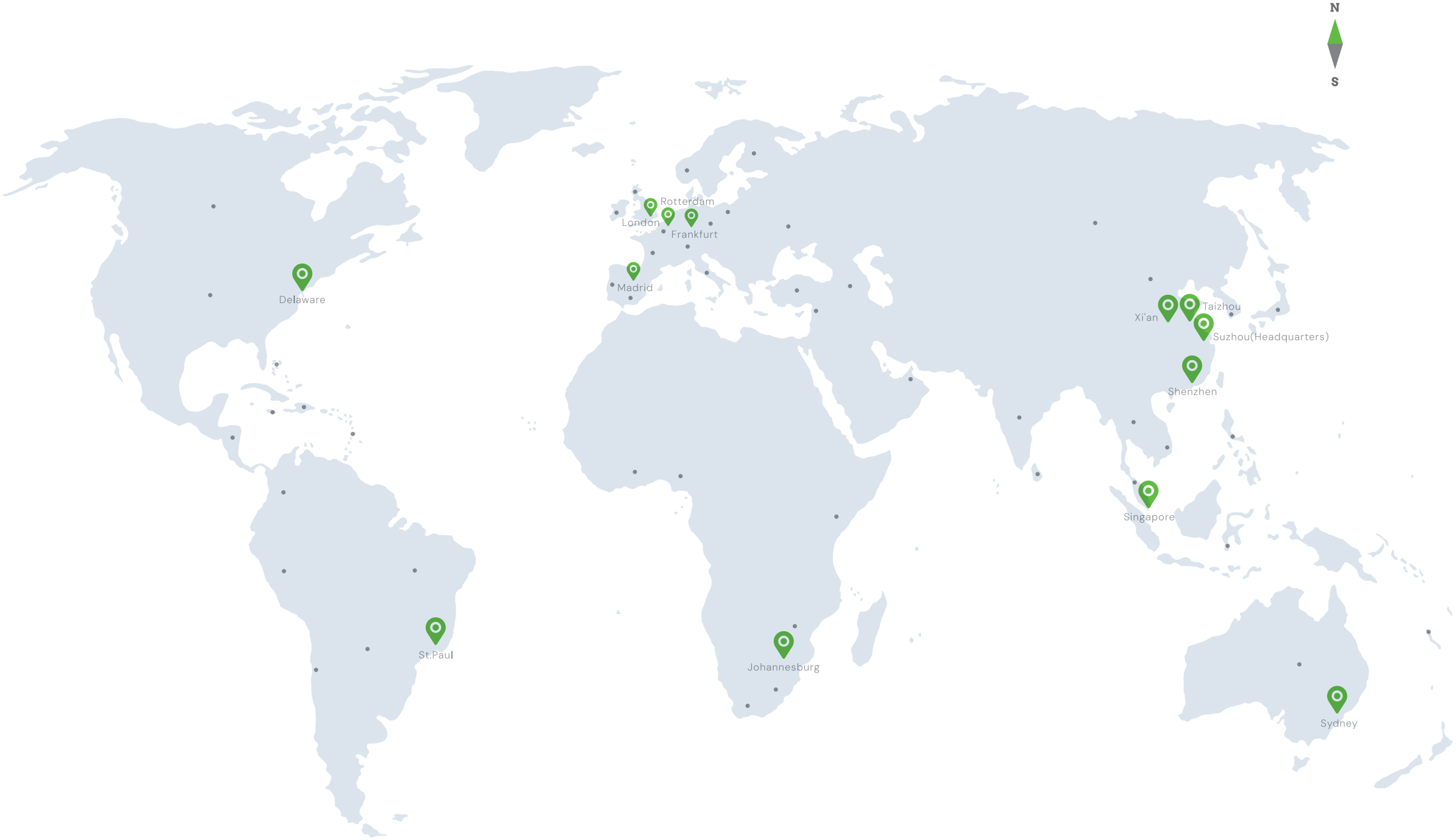
Global Footprint

The Global Pioneering Energy Storage Solutions Innovator

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

● 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 ESS Product Overview

System	<div><div>SolarMate</div></div>		<div><div>Orion</div></div>		<div><div>Cygni</div></div>	
HV	<div><div>Tower</div></div>	<div><ul style="list-style-type: none">Self-developed BMSHigher rateHigher balance abilitySafety enhancedEnvironmental adaptationEasy parallelingPlatform-oriented</div>	<div><div>Tower Pro</div></div>	<div><p>* STACK100 and STACK100 Pro can be simultaneously used in both residential and C&I ESS</p><div><div>STACK100 *</div></div><div><div>STACK100 Pro *</div></div></div>		<div><div><div><div>HV</div><div>AU</div></div><div>DC-Volt</div></div><div><ul style="list-style-type: none">New system solution</div></div>
	<div><div><div>PowerDepot H5B</div></div><div><div>Powerbox</div></div></div>		<div><ul style="list-style-type: none">Safety enhancedEnvironmental adaptationPlatform-oriented</div>	<div><div>PowerBrick Pro</div></div>	<div><div>PowerDepot G2</div></div>	<div><div><div><div>AU</div></div></div><div><div><div>HV</div><div>AU</div></div></div></div>
LV	OUT-DOOR					
	IN-DOOR		<div><ul style="list-style-type: none">Self-developed BMSHigher rateHigher performance</div>	<div><div><div><div>DL2.5</div></div><div><div>DL5.0C</div></div></div><div><div><div><div>AU</div><div>DL5.0</div></div><div><div>DL5.0X</div></div></div></div><div><div><div>DL5.0C Pro</div></div><div><div>PowerBrick</div></div></div></div>		

Core product for the AU market

C&I ESS Product Overview

Air-cooled All-in-One Cabinet	 <div>DH200F V2.0</div>	 <div>DH200F V3.0</div>	 <div>DH100F</div>
	 <div>DH200Y</div>	—	 <div>DH800Y</div>
Air-cooled Battery Cabinet	Standard battery cabinet	 <div>BF100</div>	 <div>BF200</div>
	DC battery cabinet	 <div>BF200-DC(C3)</div>	 <div>BF200-DC(C5)</div>
Stackable Energy Storage Battery	 <div>STACK100 *</div>	 <div>STACK100 Pro *</div>	 <div>STACK280</div>
Gen 1		Gen 1.1	Gen 2

* STACK100 and STACK100 Pro can be simultaneously used in both residential and C&I ESS

 Core product for the AU market

- Performance upgrade
- Fire protection optimization
- Wiring optimization

- Fire protection upgrade
- Protection upgrade
- More flexible capacity
- Wider application range

Cygni

- High Voltage(L-N 220/230/240)
- 7.68 kWh to 15.36 kWh/Cluster
- Charge/Discharge 40A (1C)
- Battery Extendable up to 3 Clusters
- IP66



• Plug & Play

Wiring free stack-up

• 1C Rate

Charge / Discharge faster

• VPP Ready

Ready for EMS/VPP integrations

• Auto Commissioning & Examination

1-min fast commissioning
2-min automatic system diagnose

• Battery Balance

Mixing of modules within 3 years

• Fire Extinguisher Integrated

Built-in aerosol fire extinguisher

Specification

Model		Cygni 8.OHS	Cygni 10.OHS
Solar Input	Max. PV Input Power (W)	12000	15000
	Max. PV Input Voltage (V)	600	
	MPPT Range (V)	60~550	
	Nominal PV Input Voltage (V)	390	
	Max. Input Current / Max. Short Current (A)	16 / 23	
	No. of MPP Trackers / Strings per MPPT	3/1	
AC Output (On-grid)	Nominal Power Output To Grid (VA)	8000	9999
	Max Power From Grid (VA)	8000	9999
	Nominal Output Voltage (V)	L-N 220/230/240	
	Nominal Output Frequency (Hz)	50	
	Output Power Factor	Adjustable from 0.8 leading to 0.8 lagging	
	Output THDi (Nominal Power)	< 3%	
AC Output (Off-grid)	Nominal Output Power (VA)	8000	10000
	Max. Output Power (VA)	9600@60s	12000@60s
	Nominal Output Voltage (Vac)	L-N 220/230/240	
	Nominal Output Frequency (Hz)	50	
	Output THDv (Linear Load)	< 3%	
	Backup Switch Time (ms)	< 10	
Inverter Efficiency	Max. Efficiency	97.50%	
	European Efficiency	97.00%	

Protection	Electrical Protections	Anti-island Protection, PV Reverse Protection ,Battery Reverse Protection, Residual Current Monitoring Unit, Over Current/Voltage Protection, AC Short Circuit Protection, PV Switch (PV II)
	DC Switch	Solar: Integrated (PV II), Battery: Integrated
	Surge Protection	DC Type II /AC Type III
	Safety Protection	Built-in aerosol fire extinguisher for each battery module

Battery Module Type	Cygni BAT-3.8 (LiFePO ₄)
Expandable Quantity*	(2~4 Modules)*1/2/3
Norminal Energy (kWh)	3.84
Operating Voltage (V)	84 ~ 108
Nominal Voltage (V)	96
Max.Charge/Discharge Power (kW)	3.84 (1C / 40A)
Recommended DOD (Depth of Discharge)	95%
Cycle Life**	≥8000 cycles

Topology	Non-Isolated
Charging /Discharging Temp.Range	0°C ~ 50°C
Relative Humidity	0~95%
Operating Altitude	<3000 m
Cooling	Natural Convection
Noise (dB)	<35
System Weight	Inverter: 27.5kg, Battery: 40.5kg
System Size (W*D*H mm)	Inverter / Battery module: 650*180*450/300
Installation Methods	Wall-Mounted & Floor-standing
Communication	RS485, Wi-Fi, Bluetooth
User Interface	LCD; APP; Web
Protection Level	IP66

Certifications & Standards	UN38.3, AS/NZS 4777.2: 2020, IEC 62109-1/2, IEC62040, EN 62920:2017/A1:2021,IEC/EN 61000-6-1/3
Country of Manufacture	China

* Each string can connect 2 to 4 modules in series, and each system can support up to 3 strings in parallel. The number of modules per string must be equal
** Test conditions: 0.2C Charging& Discharging. @25°C, 95% DOD, 70%EOL

Powerbox G2

- Low-Voltage (51.2V)
- 10.24kWh/200Ah
- Up to 50 Units in Parallel
- IP65

DC-Volt

- Output Voltage: 400V
- Output Current: 14.8/29.6A
- Output Power: 5.9/11.8kW
- IP66



- 1C-Rate
- Long Lifespan
- Flexible Expansion

Max 1C discharge rate

Cell-level battery passive balancing to decrease the Bucket Effect and prolong the battery cycle life

Compatible with the combination of new and old battery

Specification

Model	Powerbox G2	Powerbox G2+ DC-Volt 6.0K	Powerbox G2+ DC-Volt 12.0K
Battery Type	LiFePO ₄	LiFePO ₄	
Nominal Battery Energy	10.24kWh	10.24kWh	
Usable Energy	9.728kWh	9.728kWh	
Nominal Capacity	200Ah	200Ah	
Nominal Voltage	51.2V	400V(Output)	
Operating Voltage	44.8~57.6V	380~500V	380~500V
Nominal Charge / Discharge Power	5.12kW	/	/
Max Discharge Power	10.24kW	6.0kW	10.24kW *
Nominal Output Power(W)	/	5900	11800
Recomended Charge / Discharge C Rate	0.5C	0.5C	0.5C
Max Discharge C Rate	1C	0.6C	1C
Recommended Charge/Discharge Current	100A	/	/
Max Discharge Current	200A	14.8A	29.6A
Peak Discharge Current	300A (2mins, 25°C)	150%Pn@10s	150%Pn@10s
Recommended Depth of Discharge (DOD)	95%	95%	95%
Net Weight	99.7kg	99.7kg+16.5kg	99.7kg+18kg
Dimension[W/D/H] (mm)	Powerbox G2: 710/175/646	DC-Volt: 475/175/646	
Operating Temp. Range	-20°C~55°C	DC-Volt: -25~50°C	
Communication	CAN/RS485	BMS: CAN; EMS: RS485; E-Stop:YES (1*DI)	
Cycle Life **	≥8000 cycles	≥8000 cycles	
Protection Level	IP65	DC-Volt: IP66	
Color	White	White	
Communication	WIFI+APP,LED	WIFI+APP,LED&LCD	
Expansion	Up to 50 units in parallel	Max. 2 DC-Volt in parallel	
Safety Protection	Built-in aerosol fire extinguisher	DC-Volt: Over Current/Voltage Protection; Rapid Shutdown	
Certification & Safety Standard	Powerbox G2: UN38.3/CE-EMC/IEC62619 /IEC62040/CE-RED/ CEC/CEI 0-21;	DC-Volt:IEC61000-6-1/IEC61000-6-3/IEC62477-1: 2012	
Compatible Inverters	SMA/Victron Energy/Ingeteam/Solis/ GoodWe/Growatt/ Solplanet/Luxpower/DEYE/ Apsystem etc.	Solis/ GoodWe/Solinteg	
Country of Manufacture	China		

* Test conditions: 0.2C Charging& Discharging .@25°C, 95% DOD , 70%EOL
**DC-Volt-12K max output power 12kWdc working with multiple Powerbox G2 batteries

DL5.0

- Low-Voltage (51.2V)
- 5.12kWh/100Ah
- Max 1C Discharge Rate
- Up to 50 Units in Parallel



- Standard cabinet for 4 DL5.0 units
- IP55

Specification

Model	DL5.0
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
Recommended Charge/ Discharge Current	50A
Max. Charge Current	75A
Max.Continuous Discharge Current	100A(1C)
Peak Discharge Current	110A(15s)
Depth of Discharge (DOD)	90%
Net Weight	44kg
Dimension[W/D/H]	481/535/140mm
Charging Temp. Range	0~55°C
Discharging Temp. Range	-20~55°C
Communication	CAN/RS485/RS232
WIFI Module	Optional
Cycle Life	≥6000 Cycles
Protection Level	IP20
Expansion	Up to 50 units in parallel
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619/IEC62040/RoHS
Compatible Inverters	SMA/Schneider/Victron Energy/Ingeteam/Solis/GoodWe/Growatt/Solplanet/Luxpower/DEYE/Apsystem etc.
Country of Manufacture	China

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

• Easy Installation

Compatible with 19-inch cabinet and flexible rack

• Battery Equilization

Cell-level battery passive balancing prevents SOC jumps and extends battery life

• 1C Rate

High discharge power for consumption on off-grid site

STACK100 & STACK100 Pro

- High Voltage(150V ~ 750V)
- 5.12kWh / Module, 76.8kWh / Stack
- Parallel up to 920kWh
- Charge/Discharge 100A (1C)
- IP20 (STACK100) / IP66(STACK100 Pro)



STACK100 Pro

STACK100

• Plug & Play

Wiring-free stack-up

• 1C Rate

Charge / Discharge faster

• Flexible Layout

Customized stack hight design

• Cell Temperature management

Cell temperature difference 3°C

• Passive Cell Balance

Cell voltage difference 10mV

Specification

Model	STACK100	STACK100 Pro
Battery Type	LiFePO ₄	
Module Voltage/Capacity	51.2V/100Ah	
Module Count per Stack	3~15 Modules	
Cluster Count per System	Max 12 clusters in Parallel	
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%	100%
Communication	CAN/RS485	
Cycle Life ^[1]	≥8000 cycles	
Charging Temp. Range	0°C~55°C/-20°C~55°C (with heating function)	
Discharging Temp. Range	-20~55°C	
Single Module Weight	47kg	55kg
Single Cluster Dimension[W*D*H] (mm) ^[2]	590*390*(233+133*n)	657*460* (292+191*n)
Protection Level	IP20	IP66
Safety Protection	Aerosol fire extinguisher	Aerosol fire extinguisher, Temperature sensor, Pressure Relief Valve, Aerogel pad between battery cells ^[3] , Fireproof protection for the module ^[3]
Installation method	stackable, plug and play	
User Interface	Built-in WIFI module + APP, LED	
Cooling method	Fan cooling	Natural cooling
Battery Module Name	S51100	S51100 pro
Certification & Safety Standard	CE-EMC/CE-RED/62619/63056/62477/62040/ UN38.3/VED2510/CEI 0-21/CEI 0-16	CE-EMC/CE-RED/62619/63056/62477/62040/ UN38.3/VED2510 (In process)
Compatible Inverters	Solis/Goodwe/Deye/Solplanet/Solinteg/Hoymiles and etc.	
Country of Manufacture	China	

[1] Test conditions:
STACK100: 0.2C Charging& Discharging. @25°C, 95% DOD, 70%EOL
STACK100 Pro: 100%(DOD), 0.2C rate Charge& Discharge at 25°C, at the beginning of life
[2] "n" stands for the number of battery modules
[3] Aerogel pad between battery cells and Fireproof protection for the module are optional

BF100

BF100 is a DC battery cabinet designed for outdoor installation. With an air-cooling system, it can deliver AC output when matched with a third-party inverter, making it ideal for small-scale commercial and industrial scenarios.



• Flexible Expansion

Single unit capacity options of 86/100kWh, supports DC expansion

• Ultra-long Lifespan

LFP battery, 8000+ cycles, supports up to 10 years of extended warranty for batteries.

• Simple O&M

Modular design, side outlet mode.

• Safe & Reliable

Three-level fire detection + active exhaust + passive explosion-proof design.

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)			
Temperature	-20~50°C (Derating above 45°C)			
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

DH100F

DH100F features an integrated multi-functional design that supports PV access and on-grid to off-grid switching. The single cabinet capacity of 71/86/100kWh optional, allowing for customization based on electricity consumption needs.



• Flexible Expansion

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

• Simple O&M

Modular design, rear outlet and lower outlet mode.

• Safe & Reliable

Three-level fire detection + active exhaust + passive explosion-proof design.

• Full-scenario

Supporting PV access, on-grid to off-grid switching.

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			

DH200Y

DH200Y is the first high-security, high-energy density, DC1000V liquid-cooled all-in-one energy storage system designed for on-grid projects. Single cabinet capacity of 232kWh, maximum support for 10 units in parallel. With a 9% increase in energy density and a 10% reduction in floor space.



• Flexible Expansion

Maximum support for 10 units in AC parallel, expandable to 2.3MWh; reserved DC expansion port.

• Ultra Safe

Three-level fire detection + active exhaust + passive explosion-proof design.
PACK+PCS IP65.C3/C5 anti-corrosion grade optional.

• Economical

Occupies an area of 1.58m², energy density up to 147kWh/m².

• Smart Temperature Control

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

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°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

Application Cases

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



Residential Application Cases



• Australia Powerbox G2



• Australia Powerbox G2



• Australia Powerbox Pro



• Australia Powerbox Pro



• Australia Cygni



• Australia Powerbox G2

C&I Application Cases



• China DH200Y



• The Netherlands DH100F



• Hungary DH200Y



• Thailand STACK100



• Bulgaria DH200F



• Vietnam BF100

After-sales Service

Online + offline comprehensive operation and maintenance service system

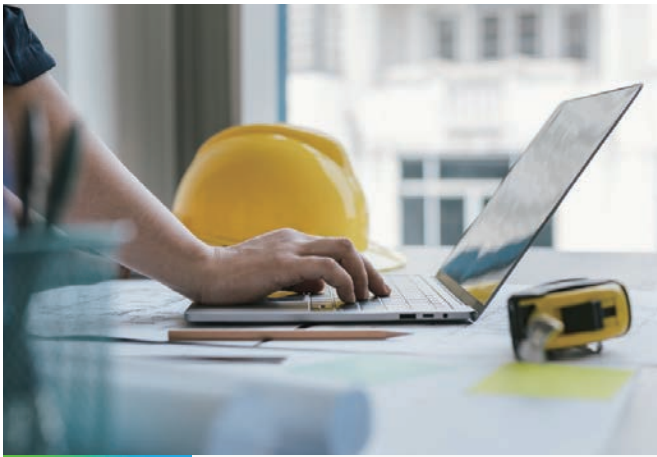
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