



The future
is coming with sustainable,
smart, stable energy



YHI POWER
Battery Power You Can Rely On



PYLONTECH

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A Dedicated BESS (Battery Energy Storage System) Provider

Pylontech is a dedicated BESS (battery energy storage system) provider, consolidating expertise in electrochemistry, power electronics, and system integration to deliver reliable BESS

solutions globally. With its continuous and rapid growth, it has become a leading supplier of lithium battery energy storage systems worldwide.

Follow our Heart-Oriented Always

10+years
Dedication



1,000,000+
Global Residential ESS



10+
Years Delivery Experience



6.35%
R&D Investment



No.1
Global Residential ESS Supplier



8.0 Gwh+
Production Capacity
Only for ESS



238+
Independently-developed
Patents



80+countries
Global Deliveries

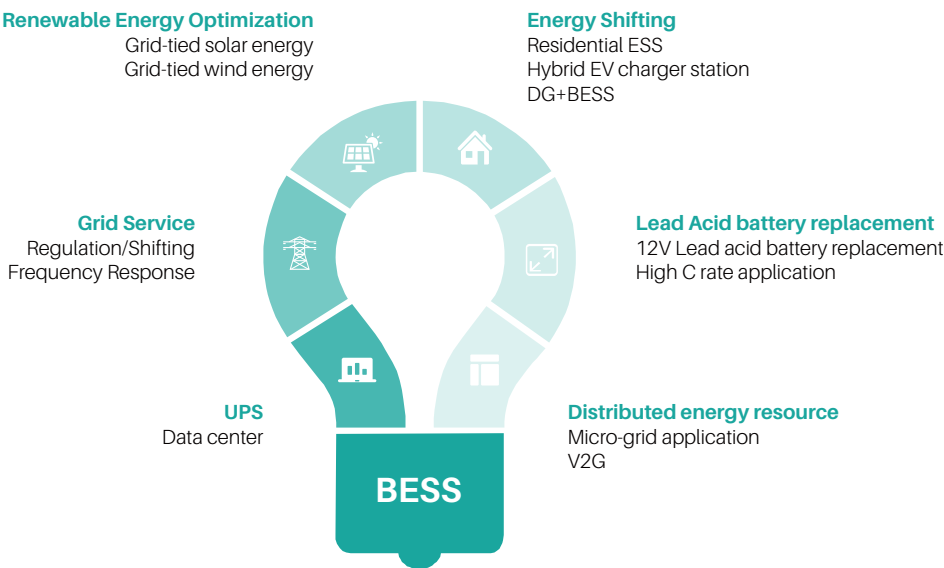


Flexible Battery Solutions
12v~1500v Battery

The road-map of Pylontech BESS



Main Applications



Core Strengths



More than 10 years of technology accumulation for reliable BESS



Safety and stability of battery are ensured by our own cells, modules and BMS

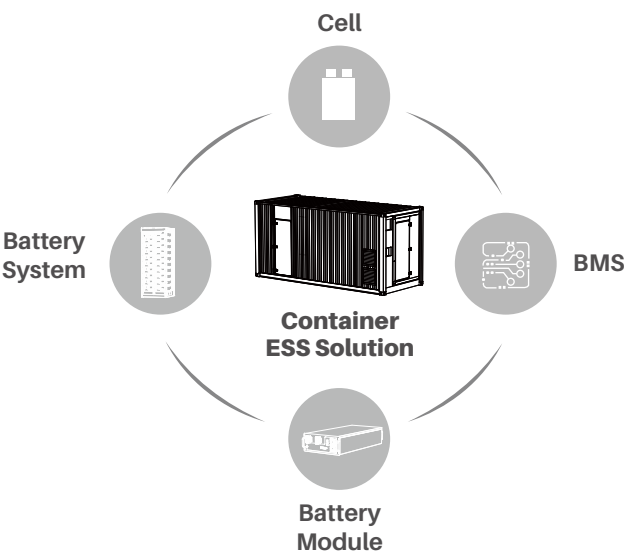


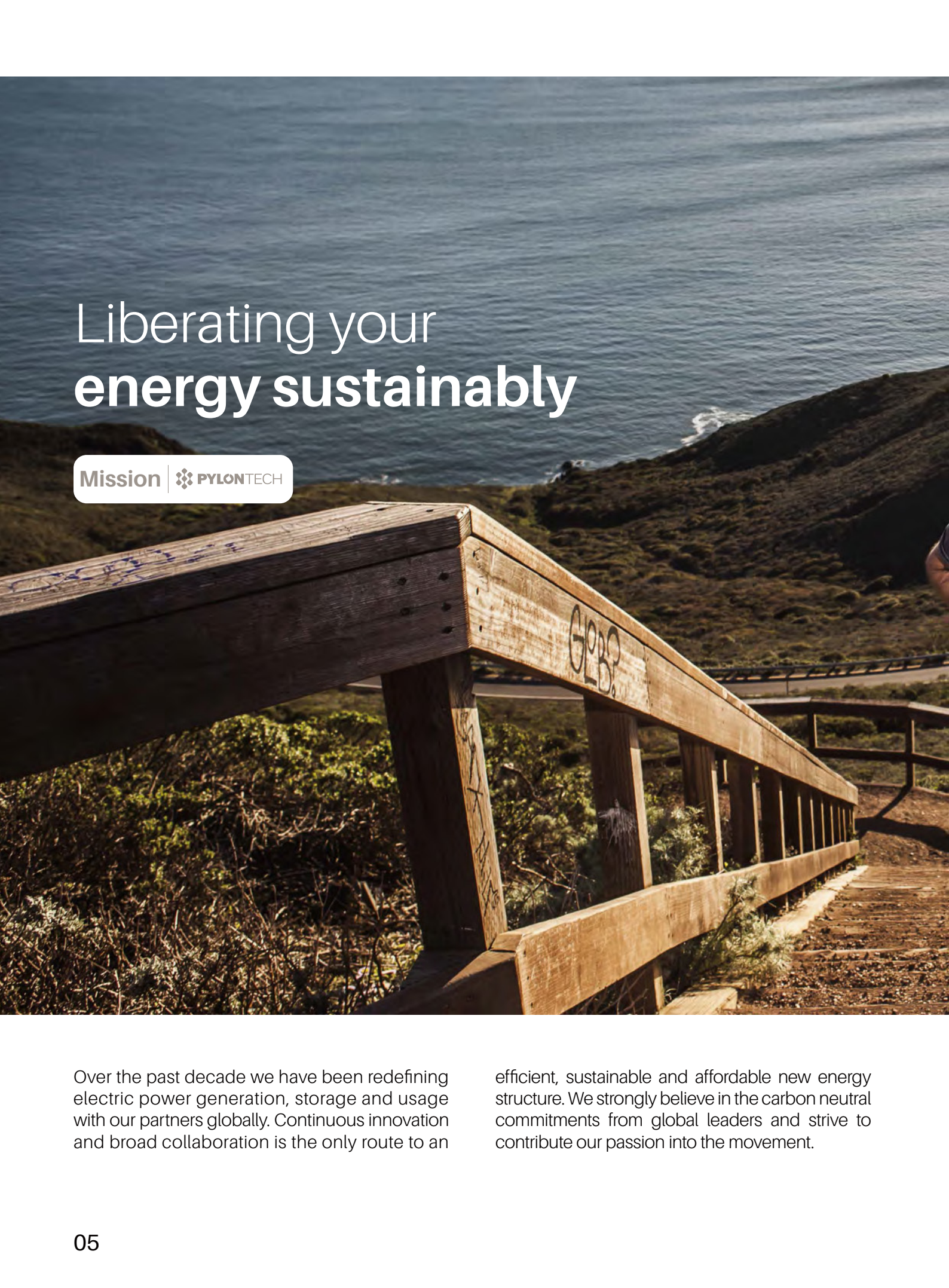
Strong research & development, manufacturing capabilities



Flexible modularization and rack solutions for various demands

Vertical Integration Chain is the **Key** of the Performance





Liberating your energy sustainably

Mission |  PYLONTECH

Over the past decade we have been redefining electric power generation, storage and usage with our partners globally. Continuous innovation and broad collaboration is the only route to an

efficient, sustainable and affordable new energy structure. We strongly believe in the carbon neutral commitments from global leaders and strive to contribute our passion into the movement.



DEDICATION **Product Portfolio**

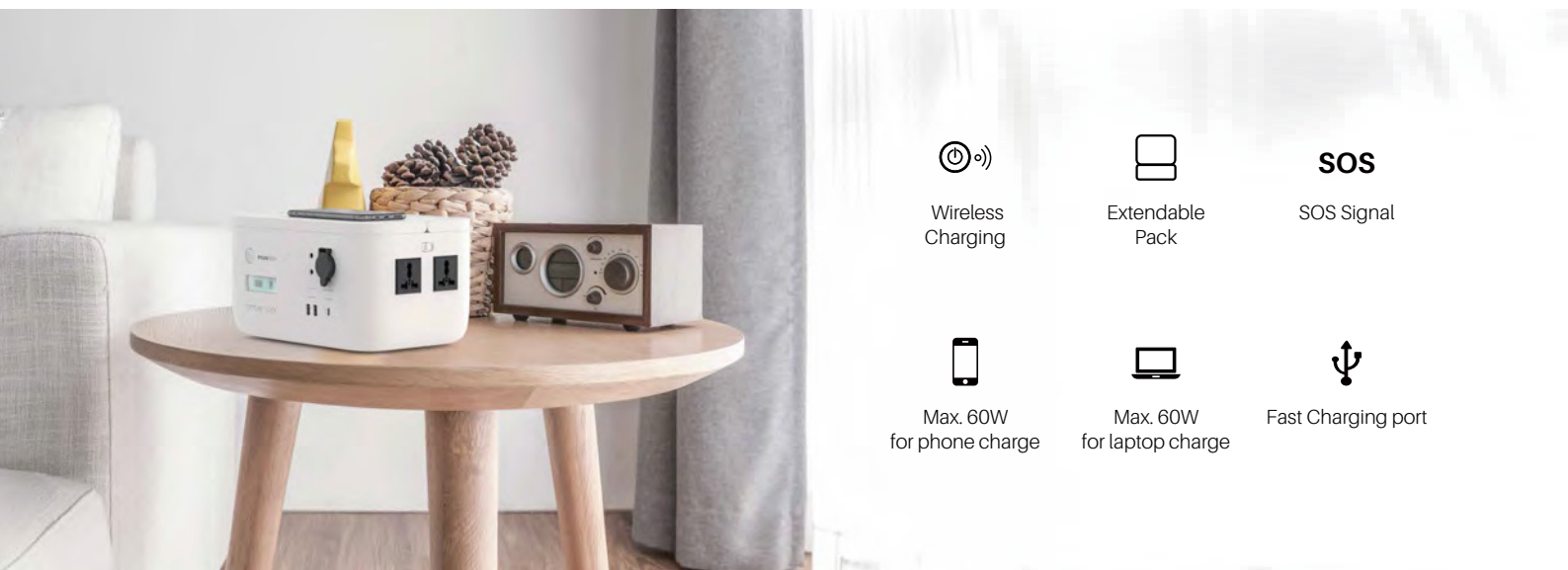
- 01) Portable Power Station
- 02) Auto Aftermarket
- 03) Residential BESS
- 04) UPS Back Up
- 05) C&I ESS
- 06) Utility ESS

Innovative Portable Power Station

Smart and clean portable power for your demanding devices



Boosting more power with Extendable Battery Pack



SPECIFICATION

Amber Rock



Mini Amber



Nominal Capacity	473Wh	473Wh
Cell Material	LFP Lithium Ion	LFP Lithium Ion
Dimension (mm)	300*190*160	300*190*94
Weight (Kg)	6.4	4.7
Working temperature	0~45 °C	0~45 °C
Shelf temperature	-20~60 °C	-20~60 °C
Output	2 AC	
	2 USB-A 24w	1 USB-A 18w
	1 USB-C 60w	1 USB-C 100w
	1 Cigar Lighter	
Input	9hrs full charged-Standard Charger/3hrs full charged-Optional Charger	
	2 DC jack 68w	
Certification	FCC CE MSDS UN38.3 PSE Rohs	





12V Series

All Purpose Lithium Ion Batteries



Temperature
Protection



Over-Voltage
Protection



Over-Current
Protection



Heating
Film



Parallel & Serial
Balancing Strategy



Short-circuit
Protection

KEY FEATURES

200%

Twice the power of
conventional batteries

40%

Weight of the same capacity
lead acid battery

4500+

More than 4500+ cycles
maximum your ROI

IP67

High level class protection
dust tight and water proof

1C

1C continuous power
2C peak power

-40~60 °C

Wider range of applications
in extreme weather

Intelligent Battery Management System (BMS)

Ultra-Safety

BMS provides comprehensive protection to the battery and manages the charging/discharging process wisely.

Auto-Balance

Connects multiple batteries in parallel safely without internal state non-uniformity issues.

Uncompromising Quality

State-of-the-art battery cells ensure a lifespan of more than 4500 cycles.

Communication

CAN, RS485, Bluetooth and Dry Contact enable data transmission to meet the needs of different usage scenarios.



SPECIFICATION

Model	RT12100G31
Electrical	
Nominal Voltage(V)	12.8
Nominal Capacity(Ah)	100
Working Voltage Range(VDC)	10.8~14.4
Internal Resistance(mΩ)	< 20
Charge Voltage(VDC)	14V-14.4
Nominal Operation Current(A)	50
Max. continuous operation current(A)	100
Peak Current(A)	200@30sec
Serial Connection	≤ 4 pcs
Parallel Connection	≤ 4 pcs
Structure	
Dimension(mm)	325*173.5*226
Weight(Kg)	13±0.2
IP rating	IP67
Power Terminal	M8 bolt
Working Environment	
Charge working temperature (°C)	0~60
Discharge working temperature (°C)	-20~60
Working temperature (°C)	-40~60*
Altitude(m)	< 4000
Humidity(RH)	5~95% (w/o condensing)
Communication	
RS485	115200bps
CAN	500Kbps
Bluetooth	BLE5.0
Dry contactor	2×inputs & 2×outputs
Certification	
SAE J930, SAE J1455, UL 1973, IEC62619,FCC,CE, Bluetooth SIG, UN38.3	

During -40°C ~ -20°C, only heater will be enabled for heating up the module. Battery cannot be charged /discharged in such temperature range.





24V Back-Up Storage System



APPLICATION

Back-up system for office computers, data centers, load, and other equipment of business buildings, banks, hospitals, schools, railway stations, airports, telecom, etc.



KEY FEATURES



Cell Balance
function



Voltage
Protection



Over Charge
Protection



Over Discharge
Protection



Over Current
Protection



Short-circuit
Protection



Temperature
Protection



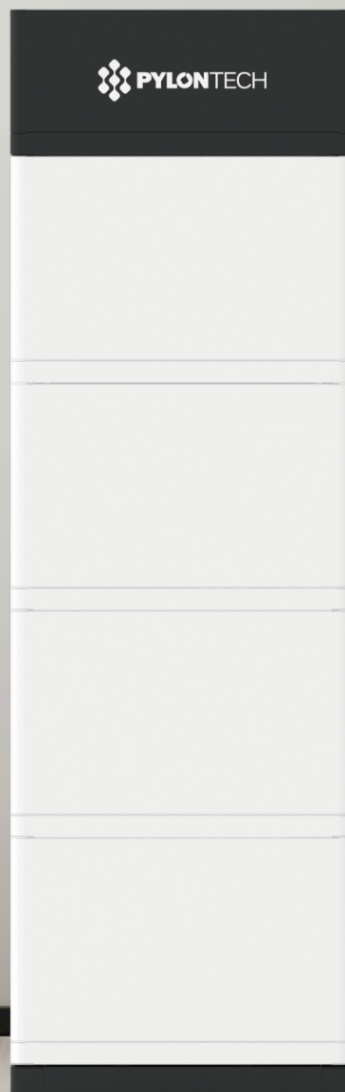
Soft Start
Function

SPECIFICATION

Basic Parameters	UP2500
Nominal Voltage(V)	25.6
Nominal Capacity(Wh)	2840
Usable Capacity(Wh)	2550
Dimension(W*D*H, mm)	442*420*120
Weight(Kg)	26.5
Discharge Voltage(V)	23.2~28.5
Charge Voltage(V)	28.2~28.5
Charge/Discharge Current(A)	55(continuous) 100 (Peak@15s)
Communication Port	CAN,RS485
Working Temperature(℃)	0~50
Shelf Temperature(℃)	-20~60
Humidity	5%~90%
Altitude(m)	< 2000
Design Life	15+Years (25℃/77 °F)
Cycle Life	>6000, @25℃
DOD	90%
Certification	IEC62619/CE/RoHS/UN38.3

Residential BESS

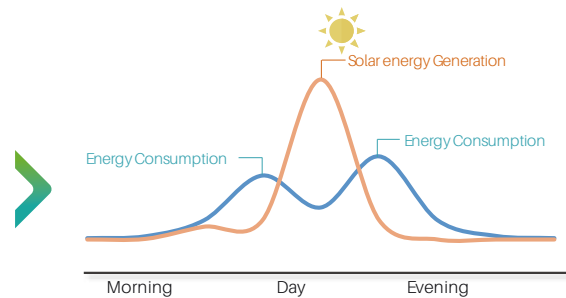
Save on your bill, save the world, with our battery storage.
Small step for our generations to enjoy safe and clean environment.



How to save on bill from Residential ESS?

Self-Consumption Optimization

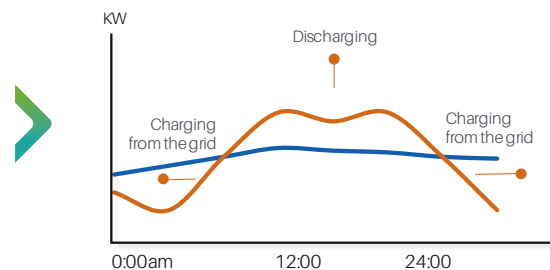
High energy demand in the morning and evening but solar energy generation is most sufficient during the Mid-Day. Battery Storage system balance the feeding and demands. Realize your grid independence.



Benefits from Peak Shaving

House: Load Shifting

Store the power during off-peak and use the energy at peak-time. Save on the electricity bills by reducing peak demand.



VPP Revenue

VPP creates a network of renewable energy sources and battery storage systems, connected through a cloud-based technology that manages the stability of clean electricity to maximize your revenue.

Enabling a cost reduction, as well as boosting the system's efficiency



Your ideal Residential BESS



Safety

Ensured by by self-designed and manufactured cell modules and BMS



Optimal Electricity Cost

Long cycle life and superior performance



Compact Size & Easy installation

Modular design help for quick installation



Easy to Scale Up

Be workable to be parallel based on 48V



Compatibility

Compatible with Top inverter brands

PRODUCT LINEUP

48 V		96~336 V
Cabinet/rack installation	Quick connector	Quick connector
US2000C (2.4 kWh)	Force L1 (7.1~24.86 kWh)	Force H1 (10.65~24.86 kWh)
US3000C (3.55 kWh)	Force L2 (7.1~14.2 kWh)	Force H2 (7.1~14.2 kWh)
US5000 (4.8 kWh)	Pelio-L-5.12(5.12~102.4 kWh)	Force H3 (10.24~35.84 kWh)

SPECIFICATION (48V)

			
Model	US2000C	US3000C	US5000
Basic Parameters			
Nominal Voltage (Vdc)	48	48	48
Nominal Capacity(Wh)	2400	3552	4800
Depth of Discharge (%)	95	95	95
Dimension(mm)	442*410*89	442*420*132	442*420*161
Weight(kg)	24	32	39.7
(Recommend)	25	37	80
Charge/ Discharge (Max) Current(A)	89@1min	89@1min	120@15min
(Peak)	200@15sec	200@15sec	200@15sec
Communication Port	RS485, CAN		
Single string quantity(pcs)	16	16	16
Working Temperature/ °C	0~50		
Shelf Temperature/ °C	-20~60		
Cycle Life	>8000, @25 °C	>8000, @25 °C	>8000, @25 °C
Certification	IEC62619/CE UN38.3	VDE2510-50 IEC62619/UL1973 UL9540A/CE/UN38.3	IEC62619/UL1973 /UL9540A/CE /UN38.3

PELIO



Smaller Footprint

higher energy density benefit from latest LFP technology



Expandable

Modular design
Maximum 20*5.12kwh



High Power Efficiency

Continuous power 5.12kw
Peak power 6.14kw@15min
Peak power 10.24kw@15sec



Monitor 24/7

Real-time monitoring of battery charging and discharging, online system updates and maintenance



SPECIFICATION (Pelio-L-5.12)

Basic Parameters	Pelio-L-5.12
Nominal Voltage (V)	51.2
Nominal Capacity (kWh)	5.12
Usable Capacity (kWh)	4.864
Dimension (W*D*H mm)	578*165*395
Weight (Kg)	45
Discharge Voltage (V)	44.8 ~ 56.8
Charge Voltage (V)	56.0 ~ 56.8
Recommend Charge/Discharge Current (A)	80
Max. Charge/Discharge Current (A)	100~120@15min
Peak Charge/Discharge Current (A)	120~200@15sec
Communication Port	RS485, CAN
Operation&Connection	WIFI*(2.4G), USB 2.0
Depth of discharge (%)	95
Configuration (max. in 1 battery group)	20pcs
Working Temperature	0℃~50℃ Charge -10℃~50℃ Discharge
Shelf Temperature	0℃~40℃ (6 months) -20℃~45℃ (3 months)
Short current/duration time	<4000A/2ms
Cooling type	Natural
Protective class	I
IP rating of enclosure	IP65
Humidity	5% ~ 95%(RH) No Condensation
Altitude(m)	<4000
Design life	15+ Years (25℃/77℉)
Cycle Life	>8000, @25℃
Certification	IEC62619, IEC63056, IEC62040, IEC62477-1, UL1973, U1642, UL9540A, VDE2510-50, IEC61000-6-2, IEC61000-6-3, UN38.3



Force Series

Behind the steel color stands the strong capability of holding energy. Sleek and furniture-like design suits both indoor and outdoor installation. Ideal for large home and small commercial application.

7.10~215.04 kWh
Flexible Mounting
Plug&Play
95% DOD

SPECIFICATION (Force-L 1/48V)



Model	2	3	4	5	6	7
Basic Parameters						
Battery System Capacity(kWh)	7.1	10.65	14.21	17.76	21.31	24.86
Voltage Range(Vdc)	43.5~54					
Dimension(W*D*H mm)	600*380*530	600*380*700	600*380*870	600*380*1040	600*380*1210	600*380*1380
Weight(kg)	86.5	123	159.5	196	232.5	269
Depth of Discharge	95%					
(Recommend)	30	45	60	75	90	100
Charge/ Discharge (Max) Current(A)	75	100	100	100	100	100
(Peak @15s)	105	105	105	105	105	105
Multi-group	Max. 6 systems in parallel					
Communication Port	RS485, CAN					
IP rating	IP55					
Working Temperature/ °C	0~50					
Shelf Temperature/ °C	-20~60					
Humidity	5%~95%(w/o condensing)					
Altitude(m)	< 2000					
Design Life	15+ Years (25 °C / 77°F)					
Cycle Life	>8000, @25 °C					
Certification	VDE2510-50/IEC62619/IEC62477/IEC62040/CE/UN38.3					

SPECIFICATION (Force-L2/48V)

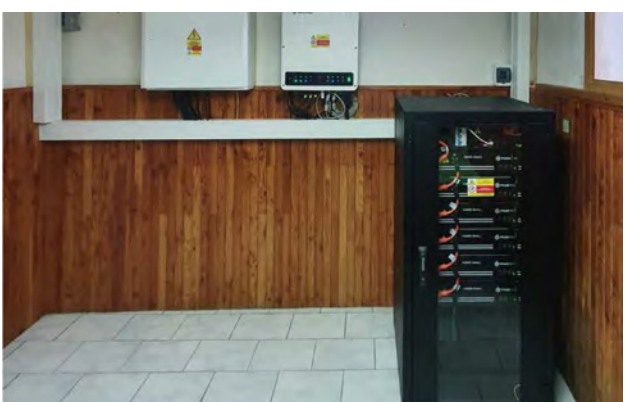
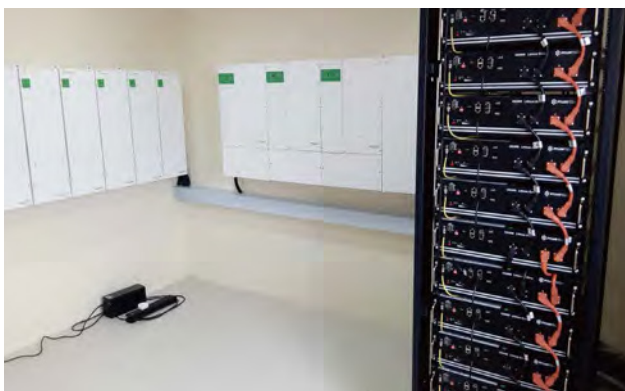
			
Model	2	3	4
Basic Parameters			
Battery System Capacity(kWh)	7.1	10.65	14.21
Voltage Range(Vdc)	43.5~54		
Dimension(W*D*H mm)	450*296*822	450*296*1120	450*296*1415
Weight(kg)	82	117.5	153
Depth of Discharge	95%		
(Recommend)	30	45	60
Charge/ Discharge Current(A)	75	100	100
(Peak @15s)	105	105	105
Multi-group	Max. 6 systems in parrallel		
Communication Port	RS485/CAN		
IP rating	IP55		
Working Temperature/ °C	0~50		
Shelf Temperature/ °C	-20~60		
Humidity	5%~95% (w/o condensing)		
Altitude(m)	< 2000		
Design Life	15+ Years (25 °C / 77°F)		
Cycle Life	>8000, @25 °C		
Certification	VDE2510-50/IEC62619/IEC62477/IEC62040/CE/UN38.3		

SPECIFICATION (Force-H/96~480 V)



Basic Parameters		Force-H1	Force-H2	Force-H3
Battery Module		FH48074	FH9637M	FH10050
Battery Module Voltage(Vdc)		48	96	102.4
Battery Module Capacity(Ah)		74	37	50
Battery Module Qty. (Optional)		3~7pcs	2~5pcs	2~7pcs
Battery system		7 pcs	5 pcs	7pcs
Battery System Capacity(kWh)		24.86	17.75	35.84
Battery System Voltage (V)		336	480	716
Dimension (W*D*H mm)		600*380*1380	450*296*1710	540*350*1373
Weight(kg)		266	188.5	300
Depth of Discharge			95%	
Charge/ Discharge Current(A)	(Recommend)	37	18.5	50
	(Max.)	40	40	52
Multi-group		Max. 6 systems in parallel		
Communication		RS485,CAN		
IP rating		IP55		
Working Temperature/ °C		0~50		
Shelf Temperature/ °C		-20~60		
Humidity		5%~95%(w/o condensing)		
Altitude(m)		<2000		
Design Life		15+ Years (25 °C /°F)		
Cycle Life		>8000, @25 °C		
Certification		UL1973/VDE2510-50 /IEC62619/IEC62477/ IEC62040/CE/UN38.3	VDE2510-50/IEC62619 /IEC62477/IEC62040 /CE/UN38.3	UL9540A、UL1973、IEC62619、 IEC63056、IEC62040-1、 VDE-AR-E 2510-50、UN38.3

Pylontech
has delivered over **1,000,000+**
Residential ESS globally since 2013



...



OUR RELIABILITY IS PROVEN

Helping You **Stay connected...**

LiPower UPS Battery

Ideal backup power solution to meet your demands.
Reserve power you can always rely on.



Data center



Bank



Public Utilities



Features

- ◆ Master BMS support Modbus RTU, CANBUS, Dry contactor communication;
- ◆ BMS support neutral connection (+&- Vdc);
- ◆ Internal & External power supply dual back-up;
- ◆ Dual back-up of discharge circuit;
- ◆ Independent control of discharge circuit, even charge circuit failure discharge still available;
- ◆ Automatic Insulation Detection;
- ◆ Pre-charge circuit;
- ◆ Operation Reliability 99.999%;

SPECIFICATION

Basic Parameters	LiPower-U4
Battery Type	Li-ion (LFP)
Battery System Capacity (kWh)	56.8
Battery System Voltage (Vdc)	512
Battery System Capacity(Ah)	111
Battery Controller Name	S0700U400
Battery Module Name	HLP111-400
Battery Module Quantity (pcs)	10
Battery Module Voltage(Vdc)	51.2
Battery Module Capacity(Ah)	111
Battery System Charge Upper-Voltage(V)	568
Battery System Charge Current-Max.(A)	111
Battery System Discharge Lower-Voltage(V)	424
Battery System Discharge Current-Max. (A)	400
Efficiency	1P≥95%; 2P≥92%; 3P≥88%
Depth of Discharge	95%
Operation Life	15+years
Operation Cycle Life	>3,000
Communication Port	Modbus RTU/CAN/Dry Contactor
IP rating	IP20
Weight(kg)	580
Operation Temperature(℃)	-5~60 (ideal 20 – 30)
Storage Temperature(℃)	-20~45
Battery Module Dimension(W*D*H mm)	442*600*152
Battery Controller Dimension(W*D*H mm)	442*600*250
Battery System Dimension(W*D*H mm)	600*800*2200
Certification	IEC62619/IEC63056/IEC62040-1/IEC72477-1/ CE EMC/CE LVD/UN38.3

Dedicated Commercial & Industrial ESS



Self-Consumption



Demand Charge



Micro-grid



Off grid



DG+BESS



V2G



Back Up



Peak Shifting



Battery

storage systems have been proven to be “extremely lucrative” for commercial and industrial (C&I) field.

SPECIFICATION

Battery Module



Basic Parameters	H48050	H48074	H32148-C
Energy (kWh)	2.4	3.55	4.74
Nominal Voltage(V)	48	48	32
Battery Capacity(Ah)	50	74	148
Voltage Range(V)	43.5~54	43.5~54	30~36
Dimension (W*D*H mm)	442*390*100	442*390*132	330*628*150.5
Weight(kg)	24	32	48

Powercube X series



Basic Parameters	Powercube X1 (50Ah)	Powercube X2 (74Ah)
Battery Module	H48050	H48074
Battery System Capacity(kWh)	24	35.5
Battery System Voltage(V)	864	864
Battery System Voltage Range (V)	783~972	783~972
Efficiency(@0.5C-rate)	96%	96%
Depth of Discharge	95%	95%
Cycle Life	>8000, @25 °C	>8000, @25 °C
Design Life	15+Years	15+Years
Operation Temperature (°C)	0~50	0~50
Humidity	5%~95%	5%~95%
Altitude(m)	< 2000	< 2000
Battery Module Qty.(Optional)	2~10	2~10
Certification	IEC62619/VDE2510-50/UL1973/CE/CEC	
Rack Dimension (W*D*H mm)	600*505*2130	600*505*2130
Weight(kg)	317	397

SPECIFICATION

Powercube H series
200~1000V



Basic Parameters	Powercube-H1 (50Ah)	Powercube-H2 (74Ah)
Battery Module	H48050	H48074
Battery System Capacity(kWh)	36	42.62
Battery System Voltage(V)	864	864
Battery System Voltage Range (V)	783~972	783~972
Efficiency(@0.5C-rate)	96%	96%
Depth of Discharge	95%	95%
Cycle Life	>8000, @25 C	>8000, @25 C
Design Life	15+Years	15+Years
Operation Temperature (C)	0~50	0~50
Humidity	5%~95%	5%~95%
Altitude(m)	<2000	<2000
Battery Module Qty.(Optional)	5~18	5~18
Certification	IEC62619/VDE2510-50/ UL1973/CE/CEC	IEC62619/UL1973/CE
Rack Dimension (W*D*H mm)	600*505*2130	600*505*2130
Weight(kg)	437	461

Powercube M1C



Basic Parameters	Powercube-M1C (148Ah)
Battery Module	H32148-C
Battery System Capacity(kWh)	108.93
Battery System Voltage(V)	864
Battery System Voltage Range (V)	783~972
Efficiency(@0.5C-rate)	96%
Depth of Discharge	90%
Cycle Life	>7000, @25 C
Design Life	15+Years
Operation Temperature (C)	10~40
Humidity	5%~95%
Altitude(m)	<2000
Battery Module Qty.(Optional)	1~27
Certification	IEC62619/IEC63056/UL1973/UL9540A/ VDE2510-50/CE/UN38.3
Rack Dimension (W*D*H mm)	815*659*2130
Weight(kg)	1250

Optim US all-in-one ESS



KEY FEATURES



High Integration

Highly integrated ESS
Outdoor cabinet design with high-level protection



Safe and Reliable

Powerful self-developed cells, modules & BMS
10+ years technology proven



Flexible & Scalable

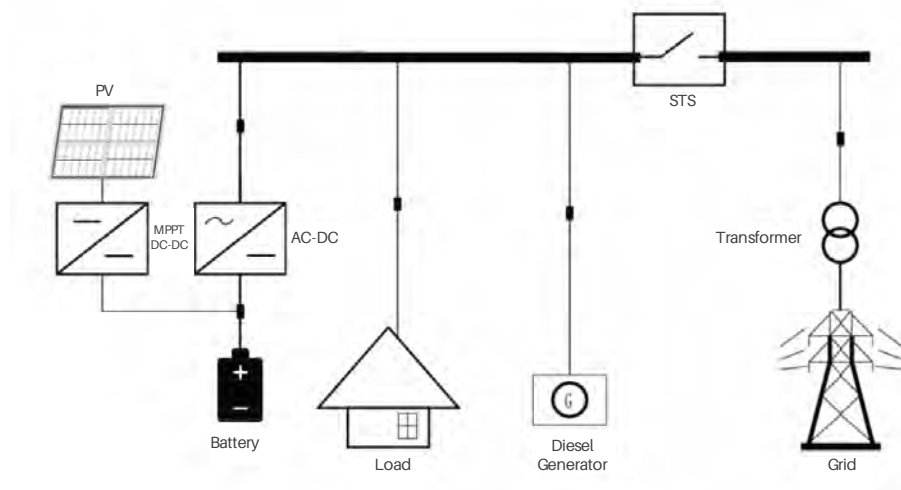
Flexible options of capacity
Supports system parallel connection



Pre-Engineered System

Easy for on-site installation
Save cost

Outdoor Cabinet ESS for micro-grid applications: islands, hotels, farms...
 PCS Power optional power range: 30~200KW
 Battery optional capacity range: 100~400KWh
 Be suitable for 2~4 hours back up



SPECIFICATION

System Type	Optim US-A-M1C-100
General Data	
Dimension(W*H*D mm)	1500*2320*1107.5
Weight(Kg)	2600 (incl. battery)
Working Temperature Range (°C)	-20~60
IP rating	IP54
Altitude	3000
Humidity	0~95%
Fire Extinguishing	Perfluoro
Air Conditioner	2kW
Anti-Corrosion	C3 (Optional upgrade to C5)
Certification	CE/IEC62619/UN38.3/UN3536
Battery Data	
Battery Type	Li-ion (LFP)
Nominal Capacity (kWh)	113.7
Battery Item	Powercube-M1C
Battery Module Qty.	24
DC Voltage Range(V)	696~864
Max. Operation Current (A)	148
Efficiency	95%

SPECIFICATION

System Type	Optim US-A-M1C-100
PCS DC/AC Data On-grid Mode	
Rated AC Power (KW)	60 (expandable to 4*60)
Rated AC Output Voltage(V)	400
Rated AC Output Frequency (Hz)	50/60
Max. AC Current(A)	86
Overload Capacity	110%@1min
AC PF	0.8 (leading) ~0.8 (lagging)
THDi	≤3%
Isolation Type	Non-isolation
Peak Efficiency	98.5%
Unbalanced capacity	100%
PCS DC/AC Data Off-grid Mode	
Output voltage accuracy	≤ 1%
Unbalanced capacity	100%
Voltage harmonic distortion	< 2% @line load
Overload capacity	≤110%
PV DC/DC Data Parameter	
Rated Power(kW)	60 (expandable to 4*60)
PV Input Voltage(Vdc)	200 – 850
Max. current(A)	100
Max. Efficiency(%)	98.5%
Operation Mode	
On/off-grid Switch	Optional STS module, switching time<20ms
EMS	10 inch LCD Touch Panel Self-Consumption; Micro-grid control; Demand response; Remote Control; Time of use;
Communication Port	Modbus TCP/IP
Scalability	
Nominal Capacity (US-B-M1C-100)	113.7 kWh
Nominal Capacity (US-B-M1C-200)	227.4 kWh

Utility ESS



Peak Shifting
/Multi Purpose



Frequency
Integration



Renewable Energy
Regulation



SPECIFICATION

Battery Module



Basic Parameters	H32148-C
Energy (kWh)	4.73
Normal Voltage(V)	32
Battery Capacity(Ah)	148
Dimension (W*D*H mm)	330*628*150.5
Weight(kg)	43

BMS



Basic Parameters	SC1000-200L-C	SC1000-200J-C
AC Supply for BMS	230Vac/50Hz/1.3A	NA
System Operation Voltage (Vdc)	0~1000	0~1000
Dimension (W*D*H mm)	330*628*150.5	
Weight(kg)	13	

Powercube-M1C



Basic Parameters	Powercube-M1C (148Ah)
Battery Module	H32148-C
Battery System Capacity(kWh)	108.93
Battery System Voltage(V)	864
Battery System Voltage Range (V)	783~972
Efficiency(@0.5C-rate)	96%
Depth of Discharge	90%
Cycle Life	>7000, @25 °C
Design Life	15+ Years
Operation Temperature (°C)	10~40
Humidity	5%~95%
Altitude(m)	<2000
Battery Module Qty.(Optional)	1~27
Certification	IEC626 19/IEC63056/UL1973/UL9540A/ VDE25 10-50/CE/UN38.3
Rack Dimension(W*D*H mm)	815*659*2130
Weight(kg)	1250

SPECIFICATION

Battery Module



Basic Parameters	HM2A180
Energy (kWh)	5.68
Normal Voltage(V)	38.4
Battery Capacity(Ah)	148
Dimension (W*D*H mm)	315*820*171.5
Weight(kg)	55

BMS



Basic Parameters	S1000M2A180	S1000M2A180J
AC Supply for BMS	100-290Vac/50Hz/1.3A	NA
System Operation Voltage (Vdc)	0~1000	0~1000
Dimension (W*D*H mm)	315*710*171.5	
Weight(kg)	19	

Powercube M2



Basic Parameters	Powercube-M2A-180 (148Ah)
Battery Module	HM2A180
Battery System Capacity(kWh)	107.98
Battery System Voltage(V)	883.2
Battery System Voltage Range (V)	800.4~993.6
Efficiency(@0.5C-rate)	96%
Depth of Discharge	90%
Cycle Life	>7000, @25 °C
Design Life	15+Years
Operation Temperature (°C)	10~40
Humidity	5%~95%
Altitude(m)	<2000
Battery Module Qty.(Optional)	1~23
Certification	IEC626 19/CE/UN38.3
Rack Dimension (W*D*H mm)	803*845*2130
Weight(kg)	1228

SPECIFICATION

Battery Module



Basic Parameters	HM3A180
Energy (kWh)	5.68
Normal Voltage(V)	38.4
Battery Capacity(Ah)	148
Dimension (W*D*H mm)	375*820*171.5
Weight(kg)	61

BMS



Basic Parameters	S1000M3A180L	S1500M3A180L	S1000M3A180J
AC Supply for BMS	100~230Vac/50Hz	100~230Vac/50Hz	NA
System Operation Voltage (Vdc)	0~1000	0~1500	400~1000
Dimension (W*D*H mm)	375*710*171.5		
Weight(kg)	13		

Powercube-M3



Basic Parameters	Powercube-M3A-180 (148Ah)
Battery Module	HM3A180
Battery System Capacity(kWh)	164.81
Battery System Voltage(V)	1305.6
Battery System Voltage Range (V)	1101.6~1468.8
Efficiency(@0.5C-rate)	96%
Depth of Discharge	90%
Cycle Life	>7000, @25 °C
Design Life	15+Years
Operation Temperature (°C)	10~40
Humidity	5%~95%
Altitude(m)	<2000
Battery Module Qty.(Optional)	1~34
Certification	UL1973, UL9540A, IEC62477-1, IEC62619, UKCA, CE LVD, CE EMC, UN38.3, VDE-AR-E 2510-50
Rack Dimension (W*D*H mm)	1365*845*2130
Weight(kg)	1798

SPECIFICATION

Battery Module



Basic Parameters	HM5A180F
Energy (kWh)	15.36kWh
Normal Voltage(V)	64
Battery Capacity(Ah)	240
Dimension (W*D*H mm)	460*900*160.5
Weight(kg)	110

BMS



Basic Parameters	S1000M5A180J	S1500M5A180E	S1500M5A180J
AC Supply for BMS	230Vac/50Hz	230Vac/50Hz	N/A
System Operation Voltage (Vdc)	0~1500	0~1500	450~1500
Dimension (W*D*H mm)	460*858*160		
Weight(kg)	30		

Powercube-M5A-64



Battery System	Powercube-M5A-64 (240Ah)
Battery Module	HM5A180F
Battery System Capacity(kWh)	322.56
Battery System Voltage(V)	1344
Battery System Voltage Range (V)	1131~1491
Efficiency(@0.5C-rate)	96%
Max.Continuous Current(Ah)	180
Peak Current(Amps)	210A@5min/320A@30sec
Over Current/Duration (Amps/ms)	10000A/2ms
Depth of Discharge	95%
Cycle Life	>7000, @25 °C
Design Life	15+ Years
Operation Temperature (°C)	10~40
Humidity	5%~95%
Altitude(m)	<4000
Battery Module Qty.(Optional)	1-21
Certification	UL1973, UL9540A, IEC62477-1, IEC62040-1, IEC62619, UKCA, CE LVD, CE EMC, UN38.3, VDE_x0002_AR-E 2510-50、GB36276、GB34131
Rack Dimension (W*D*H mm)	1050*925*2215
Weight(kg)	2520

SPECIFICATION



Mechanical Characteristics	POWERCUBE20HM1		POWERCUBE40HM1	
Battery System	Powercube M1C		Powercube M1C	
System Voltage Range(Vdc)	736(690~828)		736(690~828)	
Charging/Discharging Rate	0.5C		0.5C	
Battery String Amount	12		24	
System Capacity (MWh)	1.421		2.841	
Mechanical Characteristics	POWERCUBE20HM2		POWERCUBE40HM2	
Battery System	Powercube M2		Powercube M2	
System Voltage Range(Vdc)	806(680~907)		806(680~907)	
Charging/Discharging Rate	0.5C		0.5C	
Battery String Amount	12		25	
System Capacity (MWh)	1.432		2.983	
Mechanical Characteristics	POWERCUBE20HM3		POWERCUBE40HM3	
Battery System	Powercube M3		Powercube M3	
System Voltage Range(Vdc)	<1000	<1500	<1000	<1500
Charging/Discharging Rate	0.5~1C		0.5~1C	
Battery String Amount	10	6	22	16
System Capacity (MWh)	1.194	1.091	2.625	2.546
Dimension(L*W*H,M)	6.096*2.438*2.896		12.192*2.438*2.896	
Temperature	-20~60 ℃			
Communication port	CANBUS/Modbus TCP/IP			

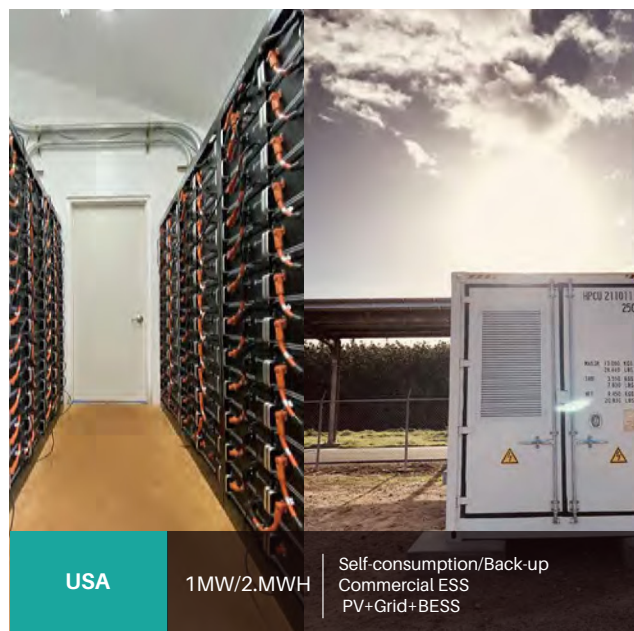
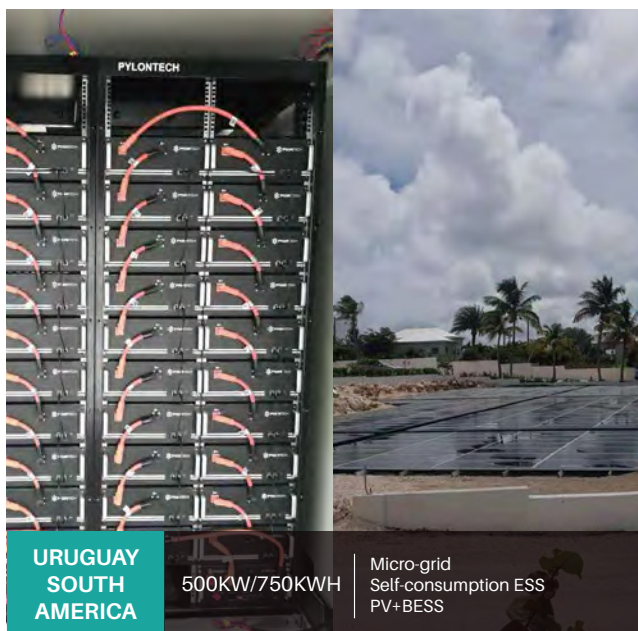
SPECIFICATION

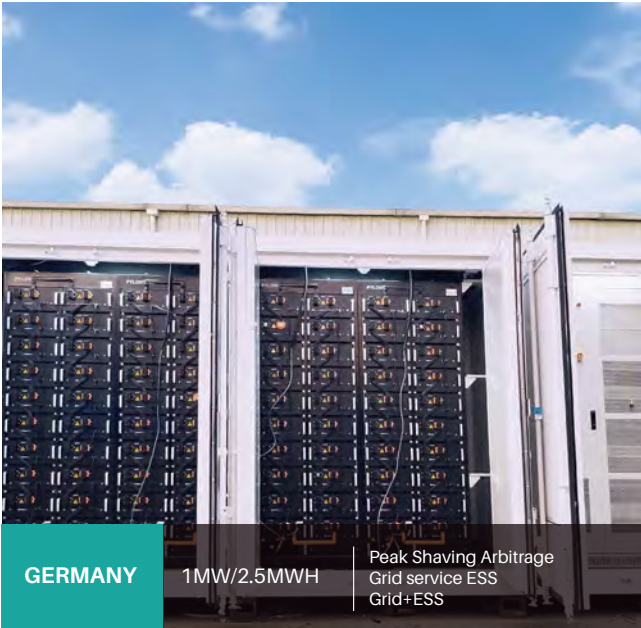


Mechanical Characteristics	POWERCUBE20HM5		POWERCUBE40HM5	
Battery System	Powercube M5		Powercube M5	
System Voltage Range(Vdc)	<1000	<1500	<1000	<1500
System Capacity (MWh)	2.509	2.634	5.108	5.268
Battery String Amount	16	8	32	16
Dimension(L*W*H,M)	6.096*2.438*2.896		12.192*2.438*2.896	
Weight (Ton)	28	27	58	56
Temperature	-20~60 ℃			
Communication port	RS485/CAN/Ethernet			



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