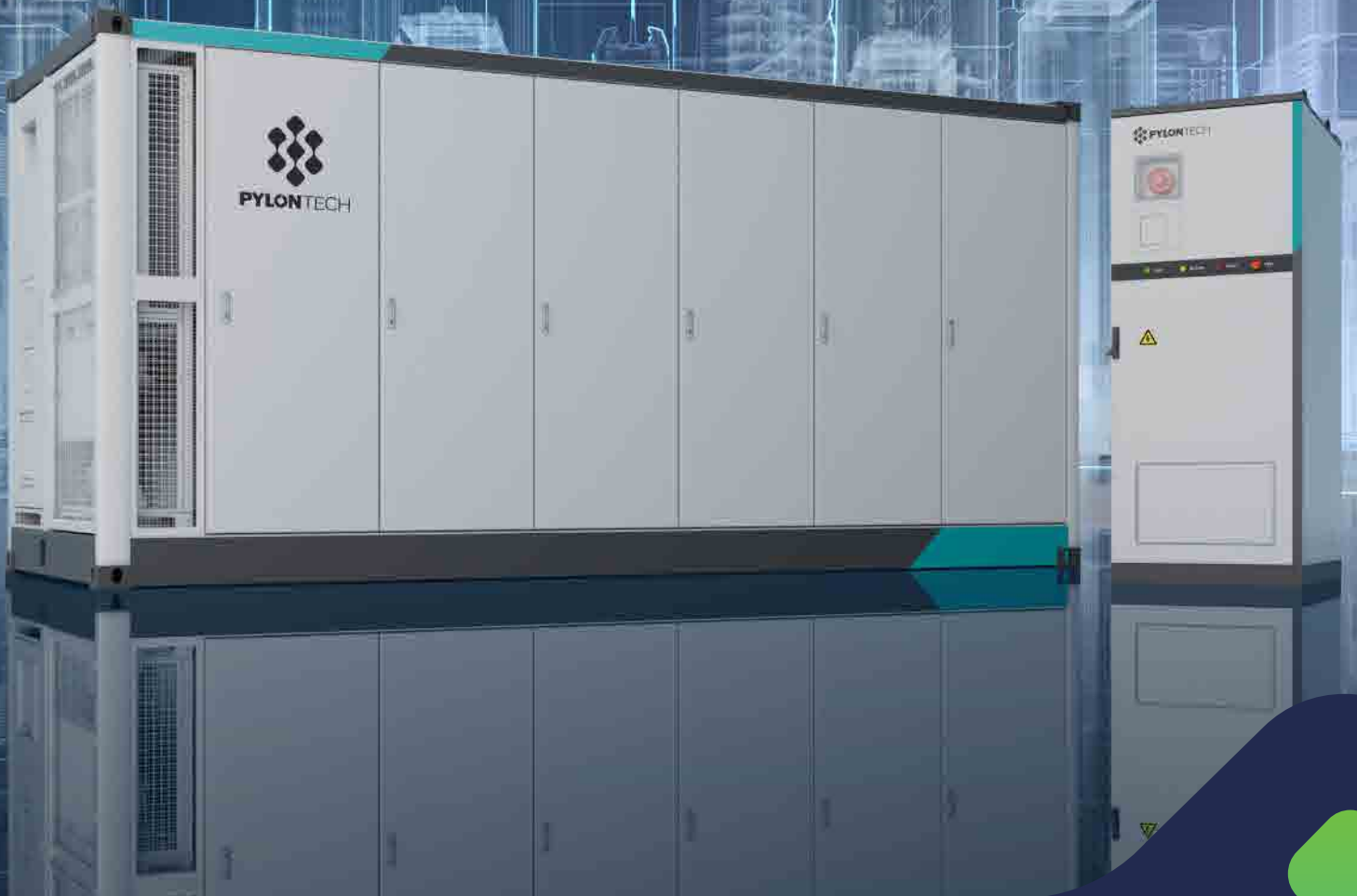




UTILITY, COMMERCIAL AND INDUSTRIAL ESS

Product Portfolio



TO ENERGIZE BILLIONS WITH SMARTER POWER

10+ Years

Dedication to ESS

13+ GWh

Production Capacity Only for ESS

80+

Countries Delivered

1,000,000+

ESS Global Delivery

World's Leading

ESS Supplier

ABOUT PYLONTECH

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.

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.



PYLONTECH



Flexible Solutions

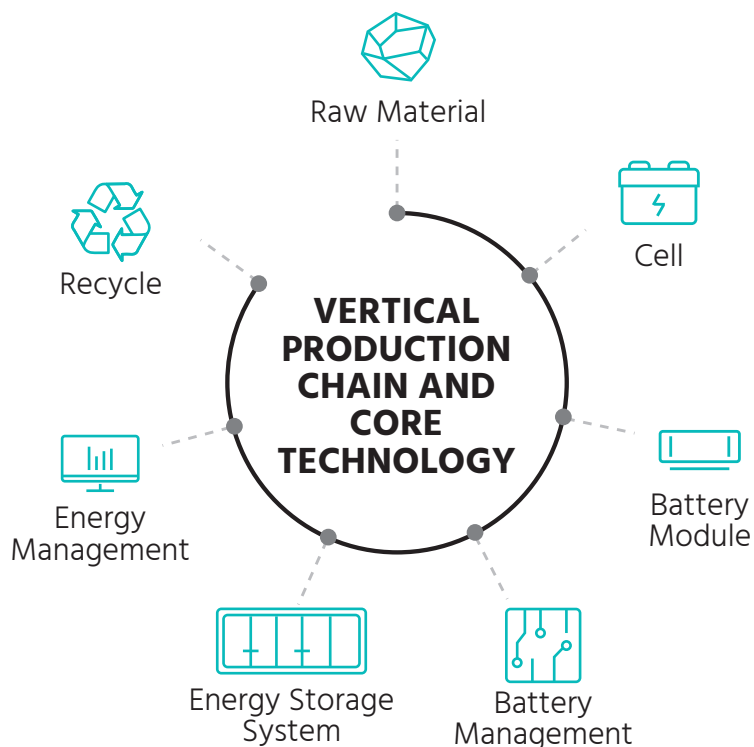
Solution portfolio ranges from 12v to 1500v
Rigorously tested to global certification standards
ESS-focused solutions begin with cell design

Strong R&D

12% R&D Investment with an Expanding Team
431 Self-Developed Patents and Counting
15+ Years of In-House Engineered BMS

Vertical Integration

Total production chain core technology
Enhanced reliability and quality control
Advanced intelligent production lines



(Data as of Q1 2024)

GLOBAL PRESENCE

Headquarters & Global Branches

Headquarters

China

Branches

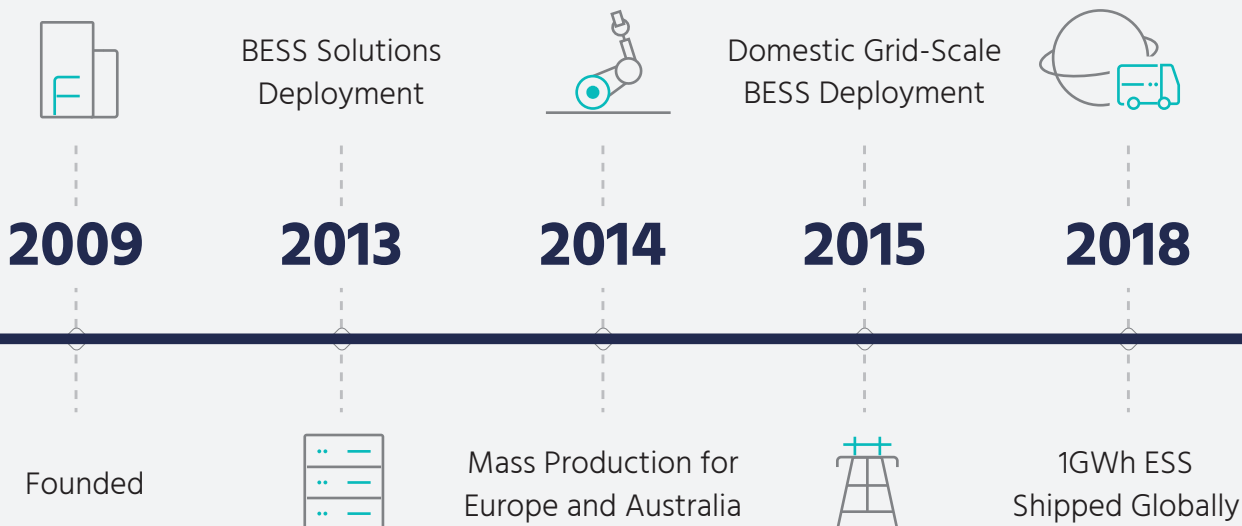
Netherlands	UK
Germany	USA
Spain	Italy
Australia (In Progress)	Japan (In Progress)

Global Service Centers

UK	Spain
Germany	Czech Republic
Italy	Belgium
North America	South Africa
South America	Australia
Mexico	



(Data as of Q1 2024)



PYLONTECH SOLUTIONS

Consumer Storage Battery

12V RV Battery
Portable Battery
High C-Rate Battery

Distributed Energy

Microgrid Stabilization
Off-grid Power System
V2G
VPP

Renewable Energy Integration

Solar and Wind Smoothing
Firming Renewable Output

Grid Service

Energy Arbitrage
Peak Shaving
Load Shifting
Frequency Regulation

Backup Power

UPS
Emergency Power

Customer Application

Time-Of-Use
Self-Consumption
Demand Charge Reduction

1.5GWh Additional
Capacity Built

2019



2020

First Listed ESS
Company in China

No.1 Residential
ESS Provider Globally

2022

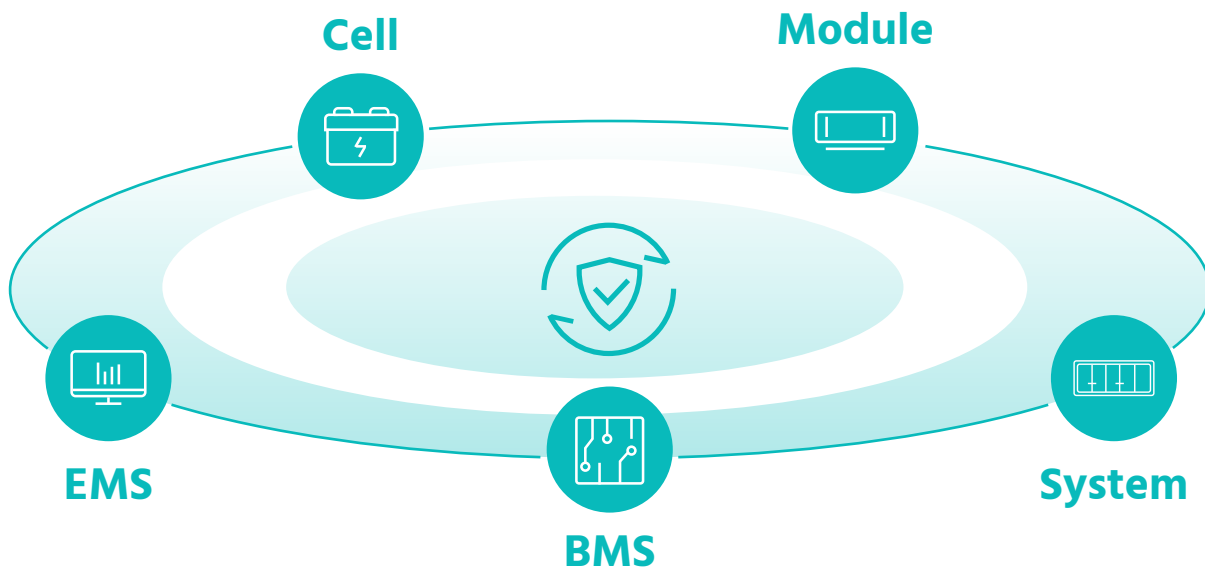


2023

First Europe
Manufacturer
Base Built

-- 2024 --

COMPREHENSIVE SAFETY



PROFESSIONAL SERVICE



INTELLIGENT SYSTEM

3S Intelligent Safety

AI-based fault diagnosis and localization
Optimized protection strategies
Intelligent early warning for safety and performance risks

Intelligent Dynamic Optimization of Boundaries

Dynamic assessment of system status
Optimization of operational energy consumption and lifespan

Intelligent Decision-Making Strategies

Real-time forecasting of electricity prices and loads
Intelligent economic decisions for power trading

LOW LCOES



Long Life Span



Easy Maintenance



Optimal Return

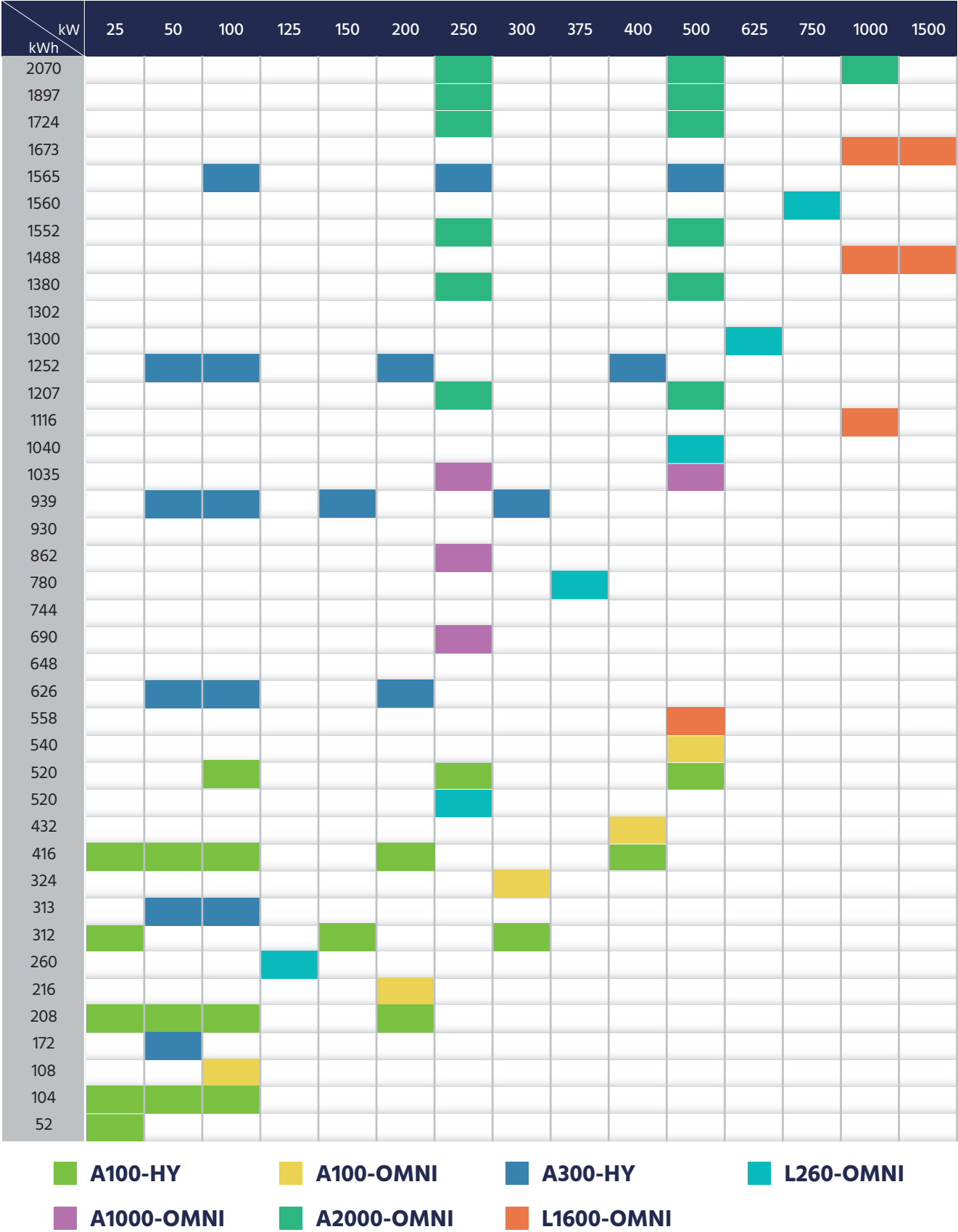


Reliable Service



POWER/CAPACITY CONFIGURATION

Navigation Map



UTILITY, COMMERCIAL AND INDUSTRIAL ESS

LFP Technology

Cabinet Solution

Air Cooling

- A100-HY
- A100-Omni
- A300-HY
- A329-BAT

Liquid Cooling

- L260-Omni
- L417-BAT

Container Solution

Air Cooling

- A1000-Omni
- A2000-Omni
- A2900-BAT

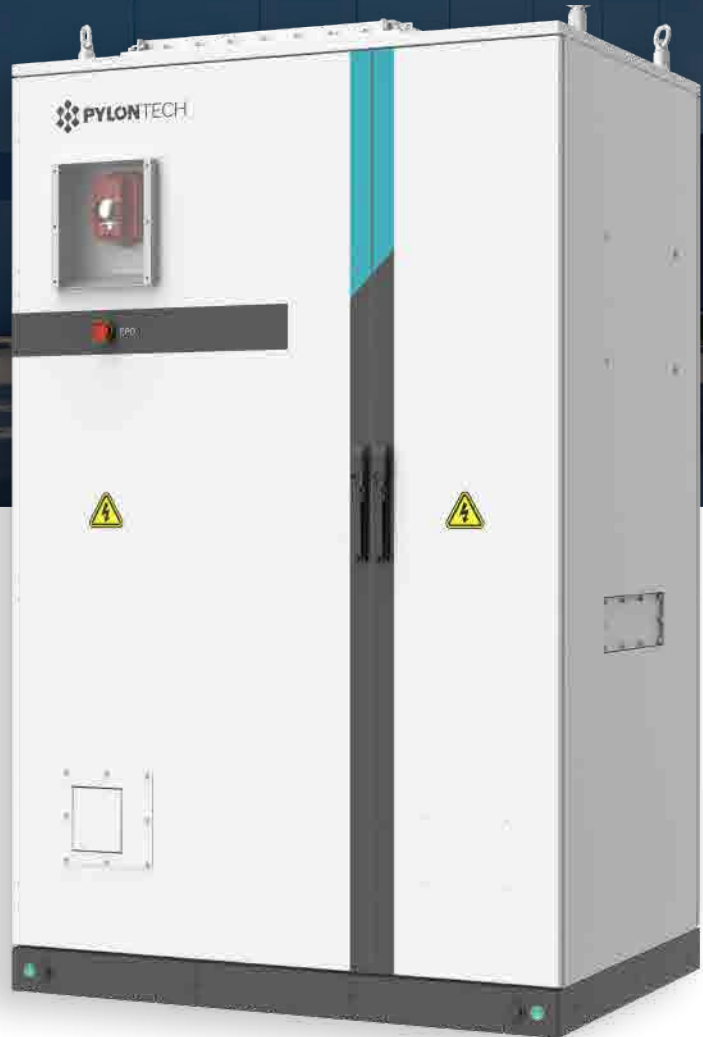
Liquid Cooling

- L1600-Omni
- L3300-BAT
- L5000-BAT



OPTIM US A100-HY

M1C 100kW/104kWh



52~520kWh



25~500kW



1C



400Vac



Hybrid Inverter Integrated



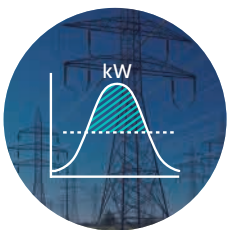
Superior Safety



Flexible Configuration



Easy Set-up & Maintenance



Peak Shaving



Energy Shifting



Self-Consumption



Backup

A100-HY

OPTIM US / A100-HY

General Data		M1C 100kW/104kWh
Dimension (W*D*H mm, w/o inverter)		1500*2195*1125
Weight (tons)		1.9 (incl. battery)
Working Temperature Range (°C)		-20~50*
Protection Class		IP55
Altitude (m)		≤2000
Humidity (RH)		0~95%
Fire Extinguishing		Aerosol
Cooling System		Air Cooling
Cooling System Consumption (kW, Cooling / Heating)		2 / 1
Aux. Power Consumption (kW, continuous / peak, incl. HVAC)		1.5/ 3
Max. Parallel No.		5
Anti-Corrosion		C3 (C5 Optional)
Certification	UN38.3/UN3481/IEC62619/IEC62040-1/CE/UKCA(EMC/RED)/VDE2510-50/UL1973/UL9540A/UL9540 G99, VDE-AR-N 4105 / EN 50549-1/EN 50549-10 / EIFS 2018.2/ IEC 62116/ IEC 61727/ IEC 60068/ IEC 61683/ EN 50530	

Battery Data	
Battery Type	Li-ion (LFP)
Nominal Capacity (kWh)	104
Max. /Continuous Operation C-rate (C)	1/0.5
Depth of Discharge	98% (single string)
Cycle Life	>7000
DC Voltage Range (Vdc)	594~792 (single string)
Max. /Continuous Operation Current (A)	148/74
Round-trip Efficiency@ 0.5C-rate	95%

Hybrid Data On-grid Mode	
Rated AC Power (kW)	50/100
Rated AC Output Voltage (Vac)	400
Rated AC Output Frequency (Hz)	50/60
Max AC Current (A)	76 (Linear Load)
Overload Capacity	110%
AC PF	>0.99 (0.8 leading ~ 0.8 lagging)
CEC Efficiency	97.4% (Max.97.8%)
Isolation Type	Non-isolation
Response Time (On-Grid to Off-Grid)	<10ms

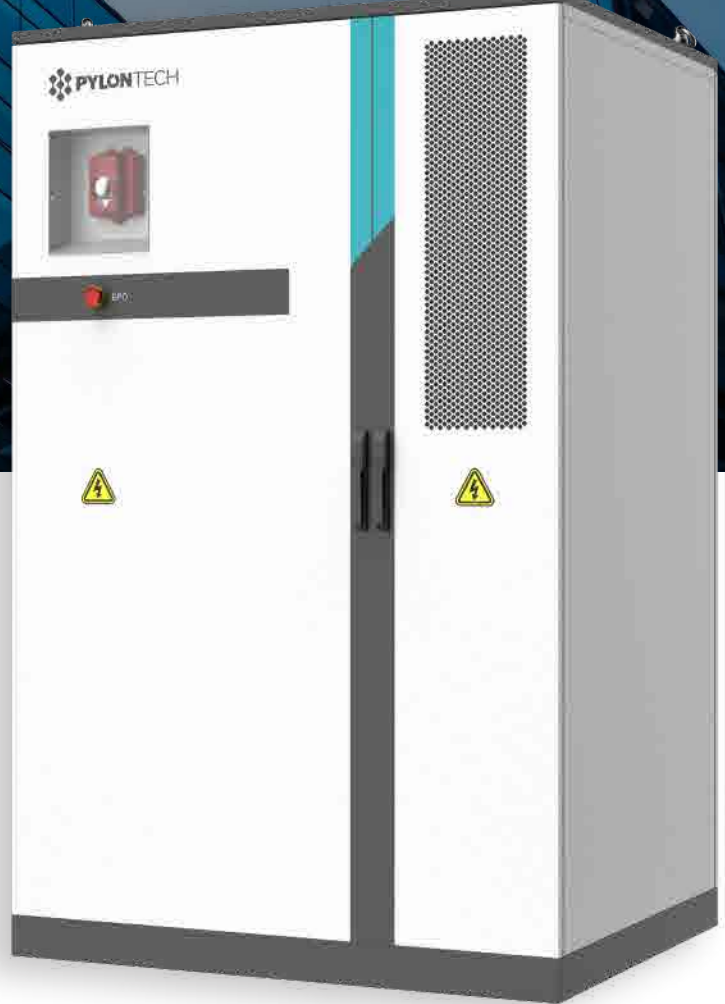
Operation Mode	
Communication Type	Modbus TCP/IP, Modbus RTU
Operation Logic	Peak Shaving/Energy Shifting/Self-Consumption/Backup

*Degradation at temperatures below 10°C or above 40°C

		System configuration										Min. configuration
		Inverter Type	25kW	50kW								Optional configuration
		INVERTER QTY	1	1	2	3	4	5	6	8	10	
A100-HY	Cabinet QTY	kWh	25	50	100	150	200	250	300	400	500	Standard configuration
	1	52										
	1	104										
	2	208										
	3	312										
	4	416										
	5	520										

OPTIM US A100-OMNI

M1C-100kW/108kWh



108~648kWh



100~600kW



1C



400Vac



All in One Solution



Wide Temp. Range



Flexible Configuration



High C rate



**Wide Temp.
Range**



**Ancillary
Service**



**Electricity
Arbitrage**



**Demand
Response**



Backup

General Data		M1C-100kW/108kWh
Dimension (W*D*H, mm)	1300*2485*1150	
Weight (tons)	2 (incl. battery)	
Working Temperature Range (°C)	-25~45*	
Protection Class	IP55	
Altitude (m)	≤2000	
Humidity (RH)	0~95%	
Fire Extinguishing	Aerosol	
Cooling System	Air Cooling	
Cooling System Consumption (kW, Cooling / Heating)	3 / 2	
Aux. Power Consumption (kW, continuous / peak, incl. HVAC)	2.5/4	
Max. Parallel No.	5	
Anti-Corrosion	C5 (Air Conditioner C4H)	
Certification	UN38.3/UN3481/IEC62619/IEC62040-1/CE/UKCA(EMC/RED)/ VDE2510-50/UL1973/UL9540A/UL9540 CE EMC/CE LVD/EN 50549-1: 2019/EN 50549-2: 2019/IEC 61000-6-2/IEC 62477-1	
Battery Data		
Battery Type	Li-ion (LFP)	
Nominal Capacity (kWh)	108	
Continuous Operation C-rate	1C	
Depth of Discharge	98% (single string)	
Cycle Life	>7000	
DC Voltage Range(Vdc)	667~828 (single string)	
Continuous Operation Current (A)	148	
Round-trip Efficiency@ 0.5C-rate	95%	
PCS DC/AC Data On-grid Mode		
Rated AC Power (kW)	100	
Rated AC Output Voltage (Vac)	230/400	
Rated AC Output Frequency (Hz)	50	
Max AC Current (A)	145 (Linear Load)	
Overload Capacity	120%@60sec	
AC PF	1.0 (Lagging)~1.0(Leading)	
CEC Efficiency@ 0.5C-rate	97.3% (Peak 98.1%)	
Isolation Type	Non-isolation	
Operation Mode		
Communication Type	Modbus TCP/IP, Modbus RTU	
Operation Logic	Wide Temp Range/Ancillary Service /Electricity Arbitrage/Demand Response/ Backup	

*Degradation at temperatures below 10°C or above 40°C

		System configuration							
		Inverter Type	100kW						Min. configuration
		Inverter QTY	1	2	3	4	5		Optional configuration
		Cabinet QTY kW	100	200	300	400	500		Standard configuration
A100-OMNI	1	108							
	2	216							
	3	324							
	4	432							
	5	540							

OPTIM US A300-HY

M5-300kWh-1000V



172~1565kWh



50~500kW



0.5C



560~720Vac



Hybrid Inverter Integrated



Flexible Configuration



Long Time Backup



Easy Set-up & Maintenance



**Wide Temp
Range**



**Ancillary
Service**



**Electricity
Arbitrage**



**Demand
Response**



Backup

A300-HY

OPTIM US / A300-HY

General Data		M5-300kWh- 1000V
Dimension (W*D*H mm)		1500*1300*2200
Weight (tons)		3.5
Working Temperature Range (°C)		-20~55*
Protection Class		IP55
Altitude (m)		≤3000
Humidity (RH)		0~95%
Fire Extinguishing		Aerosol
Cooling System		Air Cooling
Cooling System Consumption (kW, Cooling / Heating)		5 /6.4
Aux. Power Consumption (kW, continuous / peak, incl. HVAC)		2.35 /4.26
Max. Parallel No.		5
Anti-Corrosion		C3
Certification	UN38.3/UN 3480/IEC62619/IEC62040-1/CE/UKCA(EMC/RED)/VDE2510-50/UL1973/UL9540A G99, VDE-AR-N 4105 / EN 50549-1/EN 50549-10 / EIFS 2018.2/ IEC 62116/ IEC 61727/ IEC 60068/ IEC 61683/ EN 50530	

Battery Data	
Battery Type	Li-ion (LFP)
Nominal Capacity (kWh)	313
Depth of Discharge	98% (single string)
Continuous Operation C-rate	0.5C
Cycle Life	>7000
DC Voltage Range (Vdc)	560~720 (single string)
Round-trip Efficiency@ 0.5C-rate	96%
Nominal operation current (A)	122.5 * 2
Max. Operation Current (A)	180*2
Efficiency@ 0.5C-rate	96%

Hybrid Data On-grid Mode	
Rated AC Power (kW)	50/100
Rated AC Output Voltage (Vac)	400
Rated AC Output Frequency (Hz)	50/60
Max AC Current (A)	76A (Linear Load)
Overload Capacity	110%
AC PF	>0.99 (0.8 leading ~ 0.8 lagging)
CEC Efficiency	97.4% (Max.97.8%)
Isolation Type	Non-isolation
Response Time (On-Grid to Off-Grid)	<10ms

Operation Mode	
Communication Type	RS485 (MODBUS RTU)/LAN (MODBUS TCP/IP)/CAN
Operation Logic	Peak Shaving/Energy Shifting/Self-Consumption/Backup

*Degradation at temperatures below 10°C or above 40°C

		System configuration									Min. configuration	Optional configuration	Standard configuration
		Inverter Type		50kW									
		Inverter QTY		1	2	3	4	5	6	8	10		
A300- HY	Cabinet QTY	kWh	50	100	150	200	250	300	400	500			
	1	172											
	1	313											
	2	626											
	3	939											
	4	1252											
	5	1565											

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OPTIM US A329-BAT

M5-300kWh-1500V



1976~3948kWh



1000~2000kW



0.5C



1176~1491Vdc



Flexible Configuration



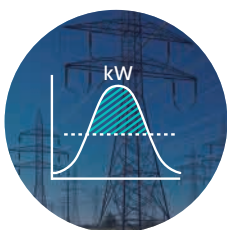
Superior Safety



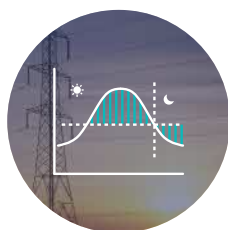
Long Time Backup



Easy Set-up & Maintenance



Peak Shaving



Energy Shifting



Self-Consumption



Backup

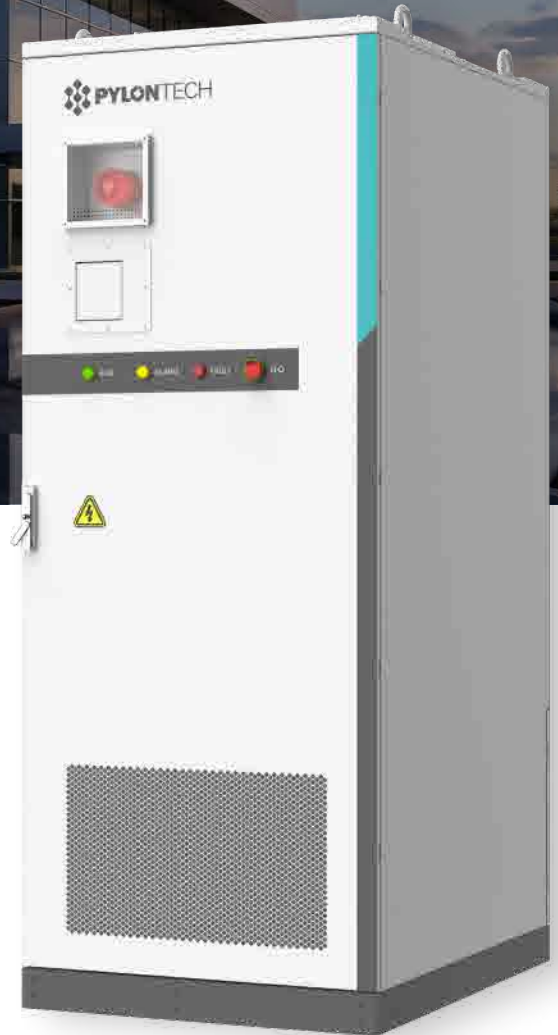
A329-BAT

General Data		M5-300kWh-1500V
Dimension (W*D*H mm)	1500*1300*2200	
Weight (tons)	3.5	
Working Temperature Range (°C)	-40~55*	
Protection Class	IP 55	
Altitude (m)	≤4000	
Humidity (RH)	0~95%	
Fire Extinguishing	Aerosol	
Cooling System	Air Cooling	
Cooling System Consumption (kW, Cooling / Heating)	5/3.7	
Aux. Power Consumption (kW, continuous / peak, incl. HVAC)	2.35/4.26	
Max. Parallel No.	5	
Anti-Corrosion	C3 (C5 Optional)	
Certification	UN38.3/UN 3480/IEC62619/IEC62040-1/CE/UKCA(EMC/RED)/VDE2510-50/UL1973/UL9540A	
Battery Data		
Battery Type	Li-ion (LFP)	
Nominal Capacity (kWh)	329	
Depth of Discharge	98% (single string)	
Continuous Operation C-rate	0.5C	
Cycle Life	>7000	
DC Voltage Range (Vdc)	1176 ~ 1491 (single string)	
Round-trip Efficiency@ 0.5C-rate	96%	
Nominal operation current (A)	122.5	
Max. Operation Current (A)	180	
Operation Mode		
Communication Type	RS485(MODBUS RTU)/LAN(MODBUS TCP/IP)/CAN	
Operation Logic	Peak Shaving/Energy Shifting/Self-Consumption/Backup	

*Degradation at temperatures below 10°C or above 40°C

OPTIM US L260-OMNI

M7-1000V-125kW/260kWh



260~1560kWh



125~750kW



0.5C



400Vac



PCS Integrated



Superior Safety



Extraordinary Performance



Easy Set-up & Maintenance



**Wide Temp
Range**



**Ancillary
Service**



**Electricity
Arbitrage**



**Demand
Response**



Backup

L260-OMNI

OPTIM US / L260-OMNI

General Data		M7-1000V-125kW/260kWh
Dimension (W*D*H mm)	950*1300*2480	
Weight (tons)	2.9	
Working Temperature Range (°C)	-25-50*	
Protection Class	IP55	
Altitude (m)	≤3000	
Humidity (RH)	5%-95%	
Fire Extinguishing	Aerosol	
Cooling System	Liquid Cooling	
Cooling System Consumption (kW)	2.56	
Aux. Power Consumption (kW, continuous/peak, incl. HVAC)	2.7/3.85	
Max. Parallel No.	6	
Anti-Corrosion	C3(C5 Optional)	
Certification*	IEC62619/IEC62040-1/CE/VDE2510-50/UL1973/UL9540A CE EMC/CE LVD/EN 50549-1: 2019/EN 50549-2: 2019/IEC 61000-6-2/IEC 62477-1	

Battery Data	
Battery Type	Li-ion (LFP)
Nominal Capacity (kWh)	260
Depth of Discharge	98% (single string)
Cycle Life	>8500
DC Voltage Range (Vdc)	702-936 (single string)
Max./Nominal Operation Current (A)	200/157
Round trip Efficiency@ 0.5C-rate	> 95%

PCS DC/AC Data On-grid Mode	
Rated AC Power (kW)	125
Rated AC Output Voltage (Vac)	400
Rated AC Output Frequency (Hz)	50
Max AC Current (A)	181
Overload Capacity	110%
AC PF	1.0 (Lagging)~1.0 (Leading)
CEC Efficiency@ 0.5C-rate	98%
Isolation Type	Non-isolation

Operation Mode	
Communication Type	Ethernet (Modbus TCP)
Operation Logic	Wide Temp Range/Ancillary Service/Electricity Arbitrage/Demand Response/Backup

*Degradation at temperatures below 10°C or above 40°C

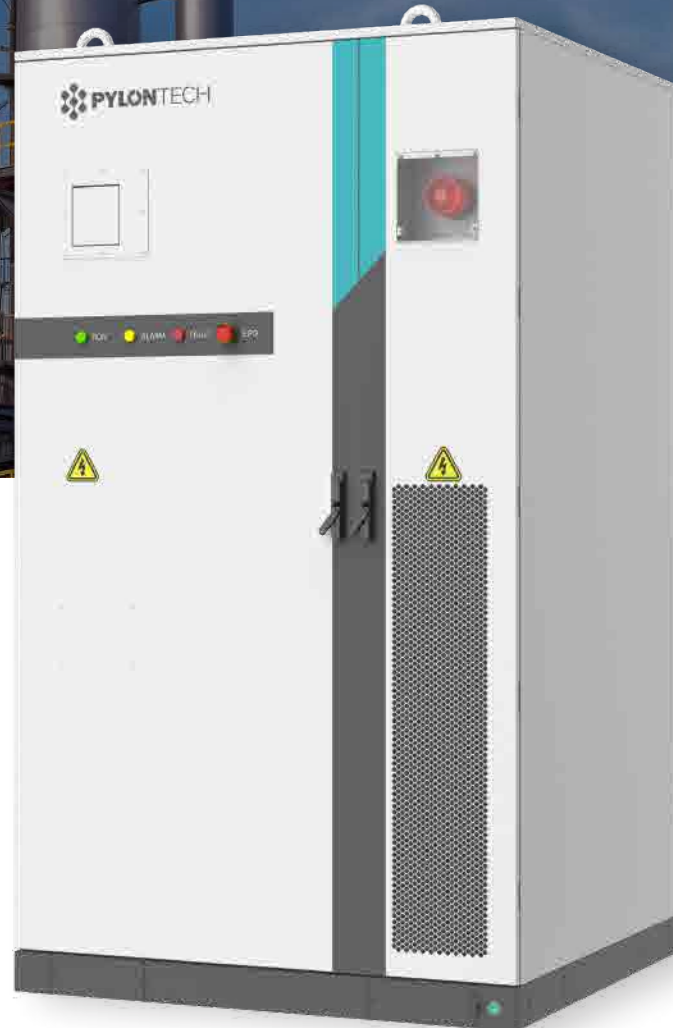
*Partial application in progress

L260-OMNI	Inverter in KW							Min. configuration Optional configuration Standard configuration	
	Inverter Type	125kW							
	Inverter QTY	1	2	3	4	5	6		
	Cabinet QTY	kW	125	250	375	500	625		750
	kWh								
1	260								
2	520								
3	780								
4	1040								
5	1300								
6	1560								

18

OPTIM US L417-BAT

M7-1500V-417kWh



2085~5004kWh



1000~2500kW



0.5C



1123~1497Vdc



Extraordinary Performance



Superior Safety



Flexible Configuration



Easy Set-up & Maintenance



**Wide Temp
Range**



Ancillary Service



Electricity Arbitrage



Demand Response

L417-BAT

General Data		M7-1500V-417kWh
Dimension (W*D*H mm)		1300*1300*2410
Weight (tons)		3.67
Working Temperature Range (°C)		-25-55*
Protection Class		IP55
Altitude (m)		≤4000
Humidity (RH)		5%-95%
Fire Extinguishing		Aerosol
Cooling System		Liquid Cooling
Cooling System Consumption (kW)		3.5
Aux. Power Consumption (continuous/peak, incl. HVAC) (kW)		3.75/5
Max. Parallel No.		12
Anti-Corrosion		C3(C5 Optional)
Certification*		IEC62619/IEC62040-1/CE/VDE2510-50/UL1973/UL9540A
Battery Data		
Battery Type		Li-ion (LFP)
Nominal Capacity (kWh)		417
Depth of Discharge		98% (single string)
Cycle Life		>8500
DC Voltage Range (Vdc)		1123-1497 (single string)
Max. /Continuous Operation Current (A)		200/157
Efficiency@ 0.5C-rate		> 95%
Operation Mode		
Communication Type		Ethernet(Modbus TCP)/CAN
Operation Logic		Wide Temp Range,Ancillary Service /Electricity Arbitrage/Demand Response/ Backup

*Degration at temperatures below 10°C or above 40°C

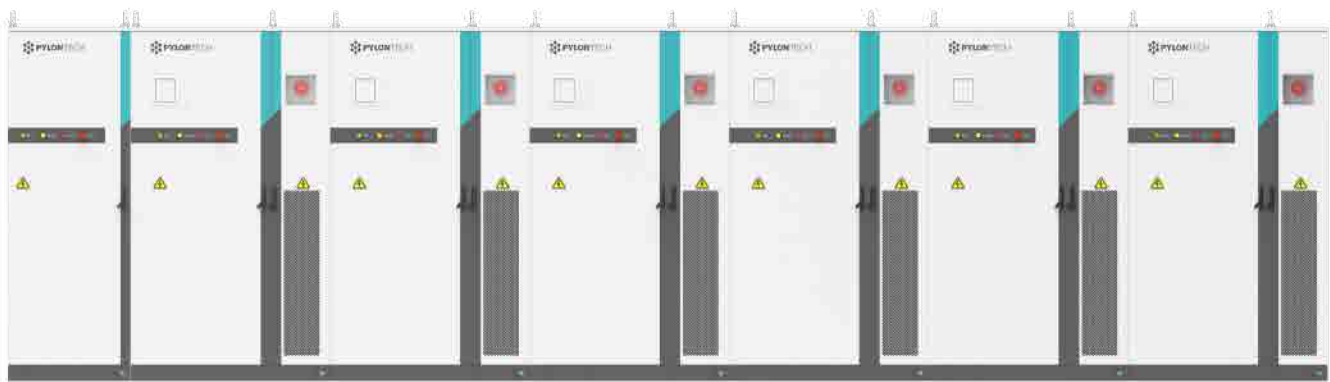
*Partial application in progress

OPTIM US L417-BAT

CONFLUENCE CABINET



General Data	
Dimension (W*D*H, mm)	800*1300*2410
Weight (tons)	0.5
Working Temperature Range (°C)	-25-55
Protection Class	IP55
Altitude (m)	≤4000
Humidity (RH)	5%-95%
Cooling System	Air Cooling
Cooling System Consumption (kW)	0.6
Aux. Power Consumption (continuous / peak, incl. HVAC) (kW)	0.7/1
Max. Cable Input	6/12
Anti-Corrosion	C3(Optional C5)
Max.DC Voltage (VDC)	1500
Max.Operation Current (A)	1130

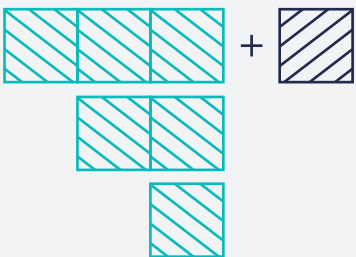
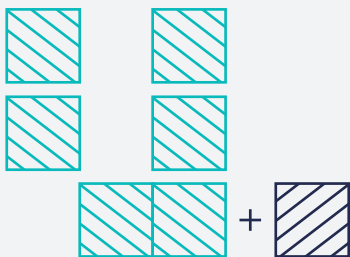
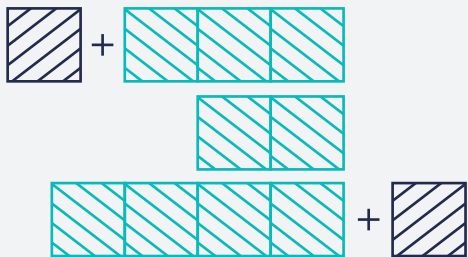
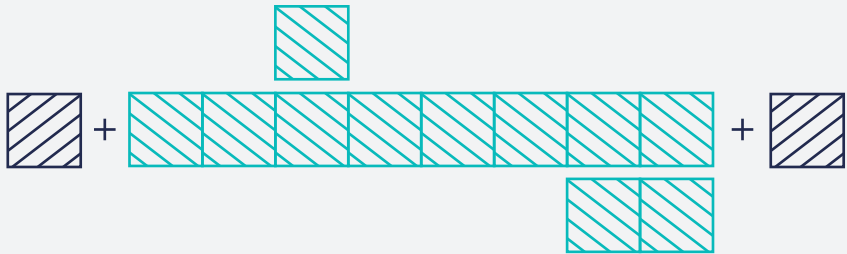


VERSATILE INSTALLATION FOR DIVERSE ENVIRONMENTS

 **Confluence Cabinet**



 **Battery Cabinet**



*Schematic only, installation subject to actual conditions.

CONTAINER A1000-OMNI

M5-10ft-500kW/1MWh



690~1035kWh



250~500kW



0.5C



400Vac



All in One Solution



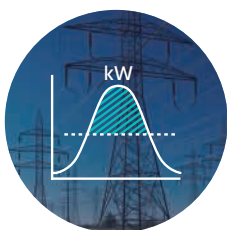
Superior Safety



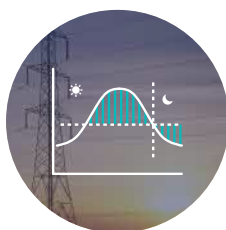
Long Time Backup



Easy Set-up & Maintenance



Peak Shaving



Energy Shifting



Self-Consumption

A1000-OMNI

CONTAINER / A1000-OMNI

Battery Data		M5-10ft-500kW/1MWh
System Capacity (kWh)		1034.88
DC Voltage range (Vdc)		638~781 (single string)
Life Cycle		>7000
Depth of Discharge		98% (single string)
General Data		
Dimension (W*D*H mm)		2991*2438*2896
Weight (tons)		13
Protection Class		IP54
Altitude (m)		≤4000m
Humidity (RH)		5%~95%
Cooling System		Air Cooling
Cooling System Consumption (kW)		15
Aux. Power Consumption(continuous / peak, incl. HVAC) (kW)		16
Working Temperature Range (°C)		-20~50*
Fire Extinguishing		Aerosol
Communication Type		RS485\CAN\Ethernet
Operation Logic		Peak Shaving/Energy Shifting/Self-Consumption
Certification	UN38.3/UN 3480/IEC62619/IEC62040-1/CE/UKCA(EMC/RED)/VDE2510-50/UL1973/UL9540A CE LVD/ IEC 62477/ CE EMC/ IEC 61000/ EN 50549-1:2019/ G99/ AS4777	
Anti-Corrosion		C3H(C5 Optional)
PCS DC/AC Data On-grid Mode		
Rated AC Power (kW)		500
Rated AC Output Voltage (Vac)		400±15%
Rated AC Output Frequency (Hz)		50/60±2.5
Max AC Current (A)		760
Overload Capacity		125%~150% @ 200ms
AC PF		0.8~1 leading or lagging
CEC Efficiency@ 0.5C-rate		97%
Isolation Type		Non isolated type

*Degradation at temperatures below 10°C or above 40°C

A1000-OMNI	System configuration					Min. configuration Optional configuration Standard configuration
	AC Connection			3P3W, 400Vac, 50/60Hz		
	Racks QTY	Strings QTY	kW	250	500	
			kWh			
	2	4	690			
	3	5	862			
	3	6	1035			

- Min. configuration
- Optional configuration
- Standard configuration

CONTAINER A2000-OMNI

M5-20ft-1MW/2MWh



1207~2070kWh



0.5C



250~1000kW



400Vac



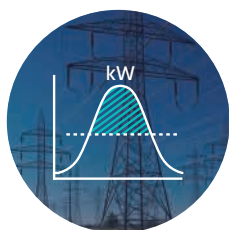
All in One System



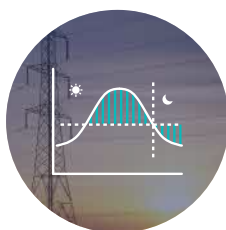
Flexible Configuration



Easy Set-up & Maintenance



Peak Shaving



Energy Shifting



Self-Consumption

A2000-OMNI

CONTAINER / A2000-OMNI

Battery Data		M5-20ft-1MW/2MWh
System Capacity (kWh)		2069.76
DC Voltage range (Vdc)		638~781 (single string)
Life Cycle		>7000
Depth of Discharge		98% (single string)
General Data		
Dimension (W*D*H mm)		6058*2438*2896
Weight (tons)		28
Protection Class		IP55
Altitude (m)		≤4000
Humidity (RH)		5%~95%
Cooling System		Air Cooling
Cooling System Consumption (kW)		40
Aux. Power Consumption (continuous / peak, incl. HVAC) (kW)		30
Working Temperature Range (°C)		-20~50*
Fire Extinguishing		Perfluoro
Communication Type		RS485\CAN\Ethernet
Operation Logic		Peak Shaving/Energy Shifting/Self-Consumption
Certification	UN38.3/UN 3480/IEC62619/IEC62040-1/CE/UKCA(EMC/RED)/VDE2510-50/UL1973/UL9540A CE LVD/ IEC 62477/ CE EMC/ IEC 61000/ EN 50549-1:2019/ G99/ AS4777	
Anti-Corrosion		C3H(C5 Optional)
PCS DC/AC Data On-grid Mode		
PCS number		2
Rated AC Power (kW)		500
Rated AC Output Voltage (Vac)		400±15%
Rated AC Output Frequency (Hz)		60±2.5
Max AC Current (A)		0~720
Overload Capacity		125%~150%@200ms
AC PF		0.8~1 leading or lagging
CEC Efficiency@ 0.5C-rate		97%
Isolation Type		Non isolated type

*Degradation at temperatures below 10°C or above 40°C

A2000-OMNI	System configuration						Min. configuration Optional configuration Standard configuration
	AC Connection			3P3W, 400Vac, 50/60Hz			
				250	500	1000	
	Racks QTY	Strings QTY	kW kWh				
	4	7	1207				
4	8	1380					
5	9	1552					
5	10	1724					
6	11	1897					
6	12	2070					
						26	

CONTAINER A2900-BAT

M5-20ft-2.9MWh



2900kWh



0.5C



1000~1500kW



1218~1491Vdc



Flexible Configuration



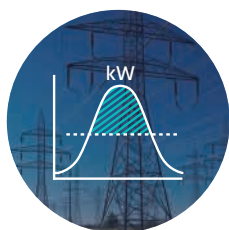
Superior Safety



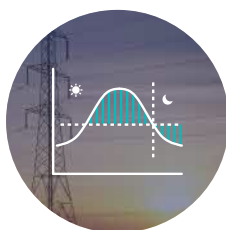
Long Time Backup



Easy Set-up & Maintenance



Peak Shaving



Energy Shifting



Self-Consumption

A2900-BAT

Battery Data		M5-20ft-2.9MWh
System Capacity (kWh)		2963.52
DC Voltage range (Vdc)		1218~1491
Life Cycle		>7000
Depth of Discharge		98% (single string)
General Data		
Dimension (W*D*H mm)		6058*2438*2591
Weight (tons)		30.5
Protection Class		IP55
Altitude (m)		≤4000
Humidity (RH)		5%~95%
Cooling System		Fan Cooling
Cooling System Consumption (kW)		40
Aux. Power Consumption (continuous / peak, incl. HVAC) (kW)		30
Working Temperature Range (°C)		-20~50*
Fire Extinguishing		Perfluoro
Communication Type		RS485\CAN\Ethernet
Operation Logic		Peak Shaving/ Energy Shifting/ Self-Consumption
Certification		UL1973/UL9540A/UL9540/IEC62477-1/IEC62040-1/IEC62619/IEC63056/UKCA/CE LVD/CE EMC/UN38.3/VDE-AR-E 2510-50
Anti-Corrosion		C3H(C5 Optional)

*Degradation at temperatures below 10°C or above 40°C

CONTAINER L1600-OMNI

M8-20ft-1.5MW/1.6MWh



588~1673kWh



1C



500~1500kW



400Vac



All in One System



Flexible Configuration



Easy Set-up & Maintenance



High C rate



Ancillary Service



Electricity Arbitrage



Demand Response



Backup

L1600-OMNI

CONTAINER / L1600-OMNI

Battery System		M8-20ft-1.5MW/1.6MWh
System Capacity (kWh)		1656
DC Voltage range (Vdc)		691.2~921.6
Life Cycle		>8500
Depth of Discharge		98% (single string)
Dimension (W*D*H mm)		6058*2438*2896
Weight (tons)		25
Protection Class		IP55
Altitude (m)		≤3000
Humidity (RH)		95%
Cooling System		Liquid cooling
Cooling System Consumption (kW)		60kW
Aux. Power Consumption(continuous / peak, incl. HVAC) (kW)		40kW
Working Temperature Range (°C)		-20~50*
Fire Extinguishing		Aerosol
Communication Type		RS485/CAN/Ethernet
Operation Logic		Anciliary Service/Electricity Arbitrage/Demand Response/Backup
Certification*	IEC62477-1/IEC62040-1/IEC62619/IEC63056/UKCA/CE LVD/CE EMC/UN38.3/VDE-AR-E 2510-50 CE LVD/ IEC 62477/ CE EMC/ IEC 61000/ EN 50549-1:2019/ G99/ AS4777	
Anti-Corrosion		C3H(C5 Optional)

PCS DC/AC Data On-grid Mode	
PCS QTY	3
Rated AC Power (kW)	500
Rated AC Output Voltage (Vac)	400±15%
Rated AC Output Frequency (Hz)	50/60±2.5
Max AC Current (A)	760
Overload Capacity	125%~150%@ 200ms
AC PF	0.8~1 leading or lagging
CEC Efficiency	97%
Isolation Type	Non isolated type

*Degration at temperatures below 10°C or above 40°C

*Partial application in progress

L1600-OMNI	System configuration					Min. configuration Optional configuration Standard configuration
	AC Connection		3P3W, 400Vac, 50/60Hz			
	Rack QTY	kWh	500	1000	1500	
	3	558				
	6	1116				
	8	1488				
	9	1673				

CONTAINER L3300-BAT

M8-20ft-3.3MWh



1670~3300kWh



1C



1500~3300kW



1036~1382Vdc



Extraordinary Performance



Flexible Configuration



Easy Set-up & Maintenance



High C rate



Ancillary Service



Electricity Arbitrage



Demand Response



Backup

L3300-BAT

Battery System		M8-20ft-3.3MWh
System Capacity (kWh)		3317
DC Voltage range (Vdc)		1036.8~1382.4
Life Cycle		>8500
Depth of Discharge		98% (single string)
Dimension (W*D*H mm)		6058*2438*2896
Weight (tons)		30
Protection Class		IP55
Altitude (m)		≤3000
Humidity (RH)		95%
Cooling System		Liquid Cooling
Cooling System Consumption (kW)		120
Aux. Power Consumption(continuous / peak, incl. HVAC) (kW)		40
Working Temperature Range (°C)		-20~50*
Fire Extinguishing		Aerosol
Communication Type		RS485 / CAN / Ethernet
Operation Logic		Ancillary Service/Electricity Arbitrage/Demand Response/Backup
Certification*	IEC62477-1 / IEC62040-1 / IEC62619 / IEC63056 / UKCA / CE LVD / CE EMC / UN38.3 / VDE-AR-E 2510-50	
Anti-Corrosion		C3H(C5 Optional)

*Degradation at temperatures below 10°C or above 40°C

*Partial application in progress

CONTAINER L5000-BAT

M7-20ft-5MWh



3344~5016kWh



0.5C



1000~2500kW



1164~1497Vdc



Extraordinary Performance



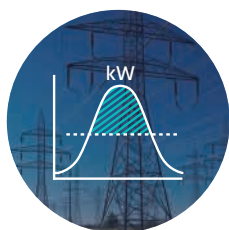
Superior Safety



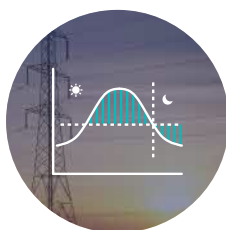
Long Time Backup



Easy Set-up & Maintenance



Peak Shaving



Energy Shifting



Self-Consumption

L5000-BAT

Battery System		M7-20ft-5MWh
System Capacity (kWh)		5016
DC Voltage range (V DC)		1164~1497
Life Cycle		> 8500
Depth of Discharge		98% (single string)
Dimension (W*D*H mm)		6058*2438*2896
Weight (tons)		43
Protection Class		IP55
Altitude (m)		≤4000
Humidity (RH)		5%-95%
Cooling System		Liquid Cooling
Cooling System Consumption (kW)		38
Aux. Power Consumption (continuous / peak, incl. HVAC) (kW)		40
Working Temperature Range (°C)		-20~55*
Fire Extinguishing		Aerosol
Communication Type		RS485\CAN\Ethernet
Operation Logic	Peak Shaving/Energy Shifting/Self-Consumption/Electricity Arbitrage	
Certification*	IEC62619/IEC62040-1/CE/VDE2510-50/UL1973/UL9540A	
Anti-Corrosion		C3H(C5 Optional)

*Degradation at temperatures below 10°C or above 40°C

*Partial application in progress

ORIGINAL BATTERY MANUFACTURER



OPTIONAL BATTERY MODULE



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



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



Basic Parameters	HM5A180F
Energy (kWh)	15.68
Norminal Voltage (V)	64
Battery Capacity (Ah)	245
Dimension (W*D*H, mm)	460*900*160.5
Weight (kg)	115



Basic Parameters	HM7A200L
Energy (kWh)	52.25
Norminal Voltage (V)	166.4
Battery Capacity (Ah)	314
Dimension (W*D*H, mm)	1145*790*245
Weight (kg)	345



Basic Parameters	HM5A300F
Energy (kWh)	14.4
Norminal Voltage (V)	64
Battery Capacity (Ah)	225
Dimension (W*D*H, mm)	460*940*161
Weight (kg)	115

GLOBAL DELIVERY

Empowering Business Worldwide
with Versatile Energy Storage Solutions



Self-Consumption

Europe

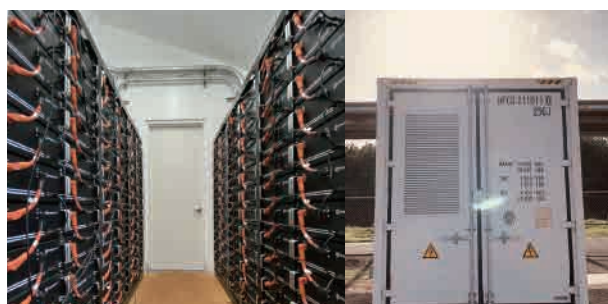
400 kW / 432 kWh



Peak Shaving

Asia

3.2 MW / 7 MWh



Grid Service

America

1 MW / 2 MWh



Micro-Grid Self-Consumption

America

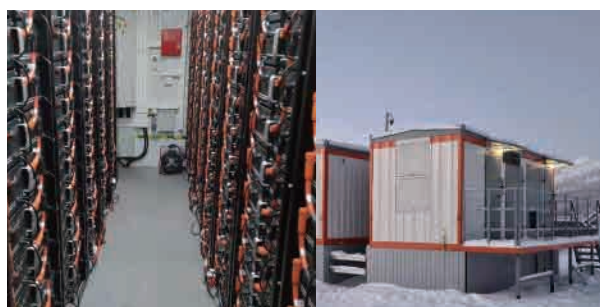
500 kW / 750 kWh



Self-Consumption

Mid East

630 kW / 613 kWh



Micro-Grid

Europe

1 MW / 1.5 MWh

80+ Countries Global Deliveries
1,000,000+ ESS Globally Served



Self-Consumption

Asia

3 MW / 8 MWh



Demand Response

Asia

5 MW / 10 MWh



Peak Shaving

America

5 MW / 10 MWh



Back Up Self-Consumption

Asia

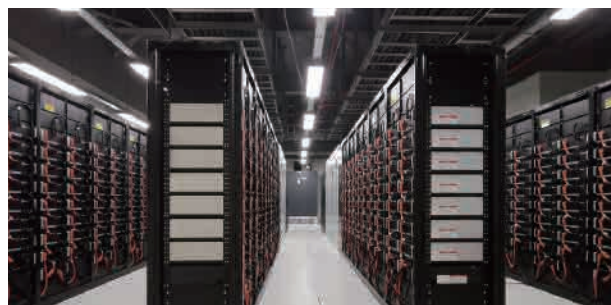
500 kW / 1 MWh



Grid Service

Europe

1 MW / 2 MWh



UPS

Asia

1 MW / 2 MWh



PYLONTECH

Pylon Technologies Co., Ltd

Website

www.pylontech.com.cn

Address

No.300, Miaoqiao Road, Kangqiao Town,
Pudong New Area, Shanghai 201315, China

E-mail

Sales: sales@pylontech.com.cn

Service: service@pylontech.com.cn

TEL

+86-21-51317699

