PYLONTECH

ENERGY STORAGE SYSTEM BELOW

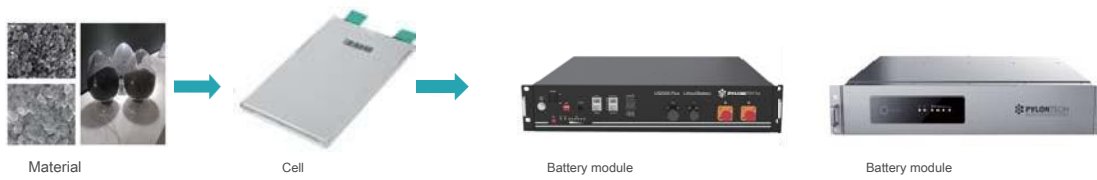- FOR RESIDENTIALS AND SMES

As the leading vertically integrated manufacturer of lithium iron phosphate battery systems, Pylontech has provided various battery solutions for almost all types of ESS applications.

Thanks to our self-developed core technology in cell / BMS / system design, Pylontech has delivered over 1.5 GWH of batteries

for more than 90,000 users.

2018

2017

2016

2015

2013

Vertical Industry Integration Chain

Material   Cell   Battery module   Battery module

Advantage

● Developed with our own LFP (Lithium Iron Phosphate) cell to ensure maximum safety

● Self-designed BMS protect the cell in all angels, such as abnormal temperature, current, voltage, SoC, SoH

● Industry vertical integration guarantees over 6000 cycles with 90% DoD

● Modular design gives end customers a choice of capacity

● Compatible with most hybrid inverters available Simple fixing with

● buckle minimizes installation time and cost

TÜV SÜD Management Service   ETL LISTED   RoHS   CE   UN38.3

Specification

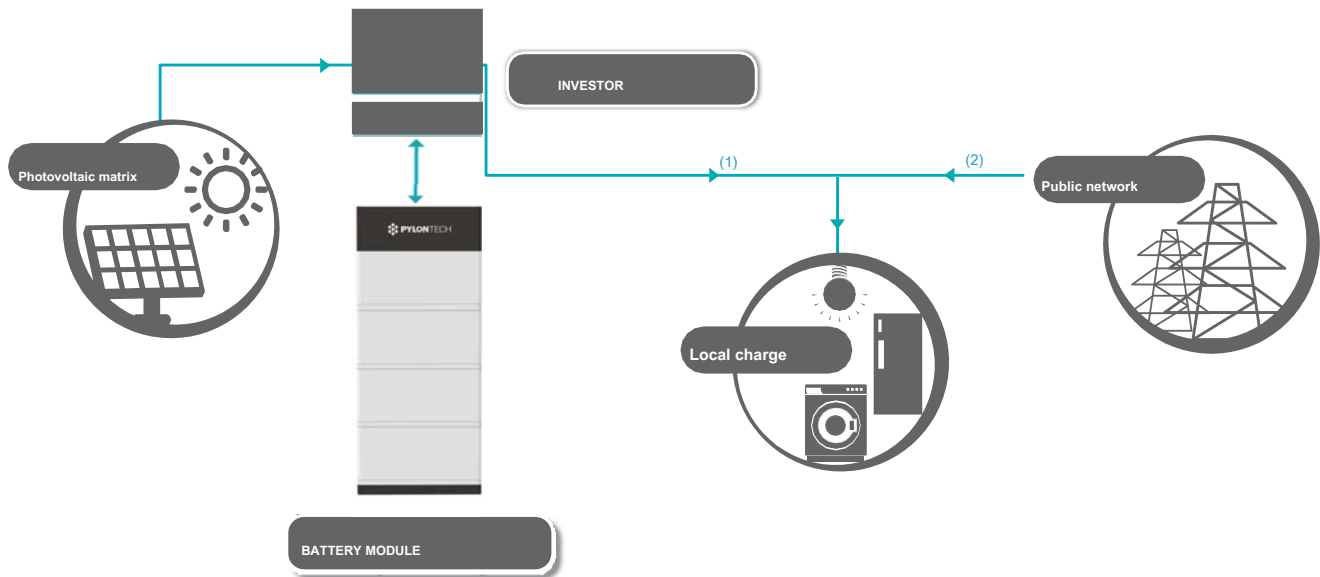| Basic parameters		US2000	Phantom-S	US3000
Nominal voltage V		48	48	48
Nominal capacity (Wh)		2400	2400	3552
Usable capacity (Wh)		2200	2200	3200
Dimension mm		442 * 410 * 89	440 * 440 * 88.5	442 * 420 * 132
Weight Kg		24	24	32
Discharge voltage V		45 ~ 53.5	45 ~ 53.5	45 ~ 53.5
Charging voltage V		52.5 ~ 53.5	52.5 ~ 53.5	52.5 ~ 53.5
Charge / discharge current A		25 (Recommend)	25 (Recommend)	37 (Recommend)
		50 (maximum)	50 (maximum)	74 (maximum)
		100 peak at 15 s	100 peak at 15 s	100 (peak at 15 s)
Communication port		RS485 CAN	RS485 CAN	RS485 CAN
Single rope quantity (pieces)		8	8	8
Work temperature/		0 ~ 50	0 ~ 50	0 ~ 50
Shelf temperature /		- 20 ~ 60	- 2 00 ~ 6600	- 20 ~ 60
Humidity		5% ~ 85%	5% ~ 85%	5% ~ 85%
Altitude (m)		<2000	<2000	<2000
Design life		fifteen + Years 25/77	fifteen + Years 25/77	fifteen + Years 25/77
Lifecycle		> 6000, 25 ℃	> 6000, 25 ℃	> 6000, 25 ℃
Authentication level		UL / IEC62619 / CE /UN38.3	IEC62619 / CE /UN38.3	IEC62619 / CE /UN38.3

PYLONTECH FORCE SERIES

Pylontech Force L1 is the latest version of HESS (Home Energy Storage System), inherited with our design concept

modular, combined with easy installation, simple connectors and outdoor compatibility, the furniture equipment type is your ideal place

to maintain its valuable strength: electricity.

Advantage

1. Modular design offers maximum flexibility

2. The interior of the LFP cell allows a longer service life and maximum safety

3. Quick connector to save installation time

4. The furniture design suits both indoor and outdoor installation

5. Proven BMS with widest inverter compatibility

ESS Solution

INVESTOR

Photovoltaic matrix

(1)

(2)

Public network

Local charge

PYLONTECH

BATTERY MODULE

Technical specification

Battery module		2	3	4	5	6	7
Battery System Capacity (kWh) Range		7.10	10.65	14.21	17.76	21.31	24.86
voltage (V)		44.5 ~ 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)		84	119	154	189	224	259
Discharge depth		90%					
Upload / Download (Recommended)		30	Four. Five	60	75	90	100
Current (A)	(Continuous)	75	100	100	100	100	100
	(Peak @ 15 s)	105	105	105	105	105	105
Communication		CAN, RS485					
Protection class		IP55					
Working temperature (℃)		0 ~ 50					
Storage temperature (℃)		- 20 ~ 60					
Humidity		5% -95%					
Altitude (M)		< 2000					
Design life		fifteen + Years (25 ℃ / ° F)					
Lifecycle		> 6000 ，25 ℃					
Authentication level		VDE / IEC62619 / CE / UN38.3					

Technical specification

FORCE L2

Battery module		2	3	4
Battery System Capacity (kWh) Range		7.10	10.65	14.21
voltage (V)			44.5 ~ 54	
Dimension (W * D * H mm)		450 * 300 * 820	450 * 300 * 1120	450 * 300 * 1410
Weight (kg)		83	119	155
Discharge depth			90%	
Upload / Download (Recommended)		30	Four. Five	60
Current (A)	(Continuous)	75	100	100
	(Peak @ 15 s)	105	105	105
Communication			CAN, RS485	
Protection class			IP55	
Working temperature (℃)			0 ~ 50	
Storage temperature (℃)			- 20 ~ 60	
Humidity			5% -95%	
Altitude (M)			< 2000	
Design life			fifteen + Years (25 ℃ / ° F)	
Lifecycle			> 6000, 25 ℃	
Authentication level			VDE / IEC62619 / CE / UN38.3	