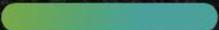


Pylontech

New BESS solution

 **48V100Ah**

-  Dual active protection
-  High current strike endurance
-  Remote upgrade feature



- **Ensure Safety and Quality**



Lithium iron phosphate (LFP)

More than 10yrs of dedicated experience on lithium battery raw materials R&D for battery storage application only



360,000+ Installation Experience Globally

over 1 million units have been delivered and installed in 80+ countries since 2013



Vertical industrial chain from cells to battery system integration with own BMS

ESS-driven R&D and production in terms of performance stability and long life span from cell to battery systems integration.



- **Extraordinary powerful performance**



80A(0.8C) Continuous charge/discharge power

Peak power : 101~120A @ 15 Mins and 121~200A @15Sec;
3.2 times powerful than US2000 (25A)



Four Levels of current protection

Charging/Discharging MOS, dual-passive&active fuse, Pre-charge circuit , DC Brekaer to enhance the system safety



Smoother power supply:

Enable 50% more power during critical temperature condition

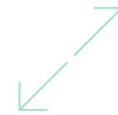


- Flexible and easy installation



Flexible DIY installation methods

With standard 19inch bracket/rack/cabinet



Unlimited on the capacity expansion

Up to 16 units per COM string. If work with LV-HUB could maximum have 480 units in one single system.



Robust installation environment

-10°C ~ 50°C working temperature range, up to 4000M altitude.

Basic Parameters	US5000
Nominal Voltage (V)	48
Nominal Capacity (Wh)	4800
Usable Capacity (Wh)	4560 (95%Dod)
Dimension (mm)	442*420*161
Weight (Kg)	40
Discharge Voltage (V)	43.5 ~ 53.5
Charge Voltage (V)	52.5 ~ 53.5
Charge / Discharge Current (A)	80 (Continuous)
	101~120 @ 15 Min
	121~200 @15Sec
Communication	RS485, CAN
Single string quantity(pcs)	16
Working Temperature/°C	-10~50
Shelf Temperature/°C	-20~60
Humidity	5%~95%
Altitude (m)	<4000
Design life	15 Years (25°C/77°F)
Cycle Life	>6000, 25°C
Authentication Level	IEC62619, IEC63056, UL1973, UL9540A, IEC61000-6-2, IEC61000-6-3, UN38.3

