PYLONTECH

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 matierals 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.

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• 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 envirement

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

• 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

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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/℃	-10~50
Shelf Temperature/℃	-20~60
Humidity	5%~95%
Altitude (m)	<4000
Design life	15 Years （25℃/77℉）
Cycle Life	>6000, 25℃
Authentication Level	IEC62619, IEC63056, UL1973, UL9540A, IEC61000-6-2, IEC61000-6-3, UN38.3

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THANKS

Your dream of future energy is Our Heart-oriented motivation,
Force awakens

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