



US3000-C 48V74AH Battery Module
-FOR RESIDENTIAL AND SME

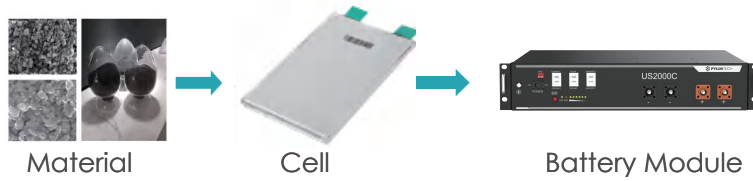
Pylon Technologies Co., Ltd.

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

Thanks to our self-developed core technology in cells/BMS/system design, Pylontech has delivered more than 2.0GWH batteries serving 120,000+ users.



Vertical industry integration chain

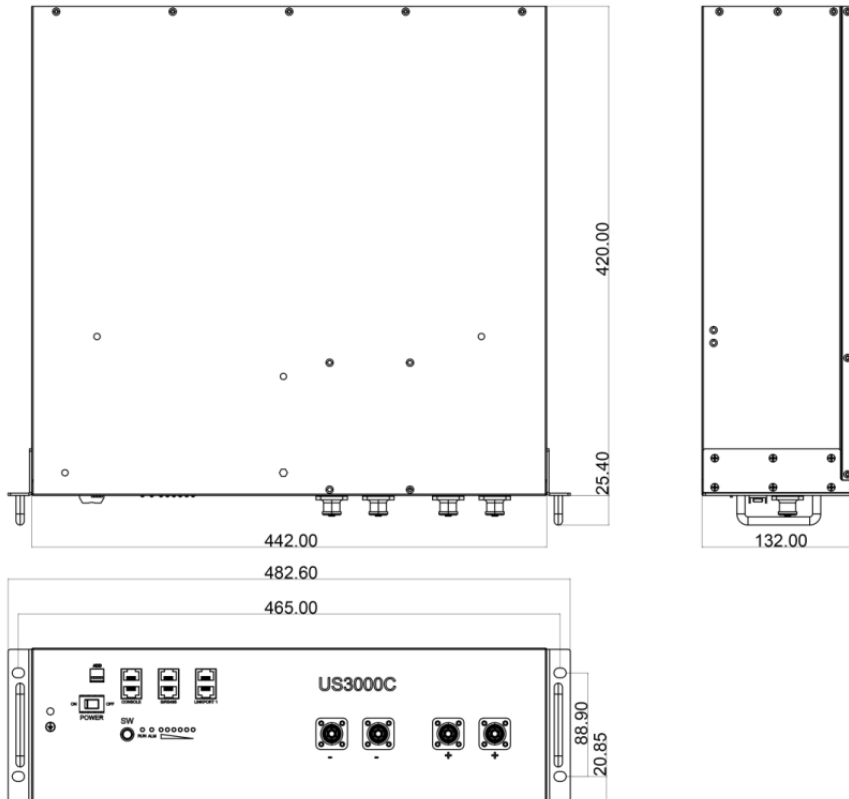


Advantage

- Developed with our own LFP (lithium iron phosphate) cell to ensure the highest safety
- Self-designed BMS protects the cell in all angles such as abnormal temperature, current, voltage, SoC, SoH
- Vertical industry integration ensures more than 6000 cycles with 95% DoD
- Modular design gives the end customers the power of choice of capacity
- Compatible with most of the available Hybrid inverters
- Simple buckle fixing minimize the installation time and cost
- Backward compatibility with existing US series product
- Pre-charge function to protect ESS system from surge current



Specification



Specification

Basic Parameters	US3000C
Nominal Voltage (V)	48
Nominal Capacity (Wh)	3552
Usable Capacity (Wh)	3374.4
Dimension (mm)	442*420*132
Weight (Kg)	32
Discharge Voltage (V)	44.5 ~ 53.5
Charge Voltage (V)	52.5 ~ 53.5
Rate. Charge/Discharge Current / Power	37A / 1.78kW
Max. Charge/Discharge Current / Power	74-89A / 3.55-4.28kW @ 60 sec
Peak Charge/Discharge Current / Power	90-200A / 4.3-9.6kW @ 15sec
Communication	RS485, CAN
Depth of discharge (%)	95
Configuration (max. in 1 battery group)	8 pcs
Working Temperature	0°C~50°C Charge
	-10°C~50°C Discharge
Shelf Temperature	-20°C~60°C
Short circuit current/Duration time	<4000A/2ms
Cooling type	Natural
Protective class	I
IP rating of enclosure	IP20
Humidity	5% ~ 95%(RH) No Condensation
Altitude(m)	<4000
Warranty	10 years
Design life	15+ Years (25°C/77°F)
Cycle Life	>6,000 25°C
Reference to standards	IEC62619, IEC63056, IEC62040, IEC62477-1, UL1973,U1642,UL9540A, VDE2510-50, IEC61000-6-2, IEC61000-6-3, UN38.3

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