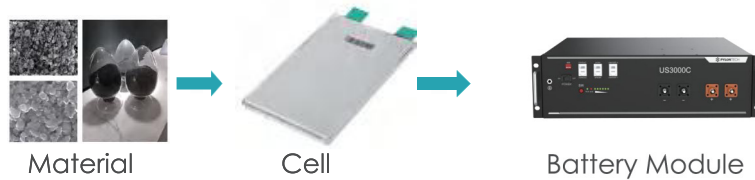




## **LOW VOLTAGE ENERGY STORAGE SYSTEM -FOR RESIDENTIAL AND SME**

## Vertical industry integration chain

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### 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



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
Charge / Discharge Current (Amps)	37 (Recommend)
	74 - 89 (Max@60s)
	90 - 200 (Peak@15s)
Communication Port	RS485, CAN
Single string quantity(pcs)	16
Working Temperature/°C	0~50
Shelf Temperature/°C	-20~60
Humidity	5%~95%
Altitude (m)	<4,000
Design life	15 <sup>+</sup> Years (25°C/77°F)
Cycle Life	>6,000, @25°C (EOL@60%*)
Authentication Level	VDE2510-50 / IEC62619 /UL/CAN/ANSL1973 UL/CAN/ANSL9540A / IEC61000-6-2/3 / UN38.3
Feature	Pre-Charge Dual-active protection Flexible current steps Dry contact wake up

\*The End of Life(EOL) capacity is based on 10yrs operation or 6,000 cycles, whichever comes first.



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