



PYLON

Residential BESS

Rack Mounted type-LV



Safety

Multi-protection from self developed BMS



Optimal Electricity Cost

Long cycle life and superior performance



Compact Size & East Installation

Module design help for quick installation



Easy to Scale Up

Be workable to be parallel based on 48V



Compatibility

Compatible with Tier 1 inverter brands

SPECIFICATION (48V)



Module

US2000C

US3000C

US5000

Basic Parameters

Nominal Voltage (Vdc)	48	48	48
Nominal Capacity(Wh)	2400	3552	4800
Usable Capacity(Wh)	2280	3374	4560
Dimension(mm)	442*410*89	442*420*132	442*420*161
Weight(kg)	22.5	32	39.7
Charge/ Discharge Current(A)	(Recommend)	25	37
	(Max. Continuous)	25	37
	(Peak 1)	50~89@60sec	74~89@60sec
	(Peak 2)	90~200@15sec	90~200@15sec
Communication Port		RS485,CAN	
Single string quantity(pcs)	16	16	16
Working Temperature/ °C	Charge	0~50	
Working Temperature/ °C	Discharge	-10~50	
Shelf Temperature/ °C		-20~60	
Short current/duration time	<4000A/2ms	<4000A/2ms	<2000A/1ms
IP rating of enclosure		IP20	
Cooling type		Natural	
Humidity		5% ~ 95%(RH) No Condensation	
Altitude(M)		<4000	
Design life		15+ Years (25°C/77°F)	
Cycle Life		>6,000 25°C	
Authentication Level	UL1642/ IEC62619 /ICE63056 /ICE61000-6-2/3 UN38.3	UL1973 /UL1642/UL9540A /VDE2510-50/IEC63056 /IEC62619/IEC62040/IEC62477-1 /ICE61000-6-2/UN38.3	UL1973/UL9540A IEC62619/IEC63056 /ICE61000-6-2/3 /UN38.3

*: The recommended and max. continuous operation current is for a battery cell temperature within 10~40°C to consider, out of such temp. range will cause a derating on operation current.