



Residential BESS

-Rack Mounted type



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	US5000B
Basic Parameters				
Nominal Voltage (Vdc)	48	48	48	48
Nominal Capacity(Wh)	2400	3552	4800	4800
Usable Capacity(Wh)	2280	3374	4560	4560
Dimension(mm)	442*410*89	442*420*132	442*420*161	442*420*161
Weight(kg)	24	32	39.5	39.5
Charge/Discharge Current(A)	(Recommend) 25 (Max) 89@60sec (Peak) 200@15sec	37 89@60sec 200@15sec	75 120@15min 200@15sec	75 120@15min 200@15sec
Communication Port	RS485,CAN			
Single string quantity(pcs)	16	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			
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)	15+ Years (25°C/77°F)	15+ Years (25°C/77°F)	15+ Years (25°C/77°F)
Cycle Life	>6,000 25°C	>6,000 25°C	> 6,000 25°C	>6,000 25°C
Authentication Level	IEC62619/CE UN38.3	VDE2510-50 IEC62619/UL1973 UL9540A/CE/UN38.3	IEC62619/IEC63056UL 1973 UL9540A/CE /UN38.3/UKCA	IEC62619/IEC63056 UL1973 /UL9540A/CE /UN38.3/UKCA
Remark			without breaker	with breaker