



## Residential BESS

US5000



### 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

PYLON

# SPECIFICATION



## Module

## US5000

### Basic Parameters

Nominal Voltage (Vdc)			48
Nominal Capacity(Wh)			4800
Depth of discharge (%)			95
Usable Capacity(Wh)			4560
Dimension(mm)			442*420*161
Weight (Kg)			38
Discharge Voltage (V)			44.5 ~ 53.5
Charge Voltage (V)			52.5 ~ 53.5
Charge/Discharge Current (A)	Recommend		50
Charge/Discharge Current(A)	Max.		100
Charge/Discharge Current (A) 1	Peak 1		101~120@15min
Charge/Discharge Current (A) 2	Peak 2		121~200@15sec
Communication			RS485, CAN
Configuration (max. in 1 battery group)			16pcs
Working Temperature	Charge		0°C ~55°C
Working Temperature	Discharge		-10°C ~55°C
Shelf Temperature			-20°C ~60°C
Short current/duration time			<4000A/2ms
Cooling type			Natural
Breaker			No
IP rating of enclosure			IP20
Humidity			5% ~ 95%(RH) No Condensation
Altitude(M)			<4000
Certification			IEC / CE / UN38.3/UL
Design life			15+ Years (25°C/77°F)
Cycle Life			>6,000 25°C
Reference to standards)			IEC62619, IEC63056,CE, UN38.3,UL1973, UKCA