



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

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*162
Weight (Kg)		40
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	100~120@15min
Charge/Discharge Current (A) 2	Peak	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
Protective class		I
IP rating of enclosure		IP20
Humidity		5% ~ 95%(RH) No Condensation
Altitude(M)		<4000
Certification		TÜV / CE / UN38.3/UL
Design life		15+ Years (25°C/77°F)
Cycle Life		>6,000 25°C
Reference to standards)		IEC62619, IEC63056, IEC61000-6-2,] ¹ IEC61000-6-3, UN38.3, UL1973, UKCA, IEC62040-1, CEC