PYLONTECH Cube the force

# 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℃~55℃ |
| Working Temperature | Discharge | -10℃~55℃ |
| Shelf Temperature | | -20℃~60℃ |
| 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℃/77°F) |
| Cycle Life | | >6,000 25℃ |
| Reference to standards) | | IEC62619, IEC63056,IEC61000-6-2, ]' IEC61000-6-3, UN38.3,UL1973, UKCA, IEC62040-1,CEC |