



LOW-VOLTAGE RESIDENTIAL ESS



Ideal for Back Up

Tailored for off-grid system .



Cost-Effective

More affordable for both initial investment and ongoing maintenance .
Safe and Reliable .



Ease for Installation

Simple setup, ideal for DIY systems .



Safe and Reliable

Operates at a lower risk level, ensuring safety in homes .

POWER ON
DEMAND

US Series



 **Flexible for Mixed Usage**

 **Scalable**

 **19-inch Rack Compatible**

 **High Power Efficiency**



Module

US5000

| | |
|----------------------------------|---|
| Nominal Voltage (VDC) | 48 |
| Nominal Capacity (kWh) | 4.8 |
| Usable Capacity (kWh) | 4.56 |
| Dimension (W*D*H) | 17.4*16.54*6.34in (442*420*161mm) |
| Weight | 88lb (39.7kg) |
| Depth of Discharge | 95% |
| Charge/ (Normal) | 100 |
| Discharge (Max) | 101-120 @15min |
| (A) (Peak) | 121-200 @15s |
| Communication Port | RS485/CAN |
| Single String Quantity (pcs) | 16 |
| Working Temperature/ (Charge) | 32~131°F (0~55°C) |
| Working Temperature/ (Discharge) | 14~131°F (-10~55°C) |
| Storage Temperature | -4~113°F (-20~45°C) |
| Short current/duration time (A) | <2000/1ms |
| IP rating | IP20 |
| Humidity (RH) | 5%-95% No Condensation |
| Altitude | <13123ft (4000m) |
| Design life | 15+ Years 77°F (25°C) |
| Cycle Life | >8000, @77°F (25°C) |
| Certification | UL1973/UL9540A IEC62619/IEC63056 /IEC61000-6-2/3 /UN38.3 |
| UL9540 Certified Compatibility | Sol-Ark 5kW-1P-N/Sol-Ark 15kW-2P-N |