

# LITHIUM BATTERY STORAGE SYSTEM



## STAR LITHIUM BATTERY

SP5000U/SP7000U/SP10000U

Star lithium battery adopts the latest HESS battery system. With rich experience and advanced techniques, the product has the features of the fashionable design, high energy, high power density, long service life, and easiness of installation and expansion, all of which reflect the real requirements of the end users and strongest technical capability of our company.

### Features

#### ● Modularization

Modular design gives the end customers the power of choice of capacity Deliver up to 140KW with single max module (10.24KWh) at 14pcs parallel connection

#### ● Intelligent

Each battery with independent BMS system manages power output smartly and effectively

#### ● Long life and safety

Vertical industry integration ensures more than 6000 cycles with 80% DoD Safe Lithium iron phosphate battery cell

#### ● Easy to install and use

Just plug and play to minimize the installation time and cost Compact and fashionable design fits in your sweet home environment.

#### ● Compatibility

Compatible with most of the available Hybrid inverters

#### ● Safety Cert

UL1642, IEC62619, CE, UN38.3, MSDS.

# LITHIUM BATTERY STORAGE SYSTEM

| Battery Specifications               |                                                  |                    |                    |
|--------------------------------------|--------------------------------------------------|--------------------|--------------------|
| Model No                             | SP5000U- 5KWH                                    | SP7000U- 7KWH      | SP10000U- 10KWH    |
| Voltage                              | 48 V                                             | 48 V               | 48 V               |
| Capacity                             | 100 Ah                                           | 150 Ah             | 200 Ah             |
| Energy                               | 4.8 kWh                                          | 7.2 kWh            | 9.6 kWh            |
| Operation voltage                    | 42-54 Vdc                                        | 42-54 Vdc          | 42-54 Vdc          |
| Max.charging voltage                 | 54 Vdc                                           | 54 Vdc             | 54 Vdc             |
| Max.charging and discharging current | 100A                                             | 150A               | 200A               |
| Max Power                            | 4800 W                                           | 7200 W             | 9600 W             |
| Life time(25°C)                      | 10 years                                         |                    |                    |
| Life cycles(80% DOD, 25°C)           | 6000 Cycles                                      |                    |                    |
| Storage time / temperature           | 5 months @ 25°C; 3 months @ 35°C; 1 month @ 45°C |                    |                    |
| Operation temperature                | -20°C to 60°C @60+/-25% Relative Humidity        |                    |                    |
| Storage temperature                  | 0°C to 45°C @60+/-25% Relative Humidity          |                    |                    |
| Lithium Battery Standard             | UL1642, IEC62619, UN38.3, ROHS,CE-EMC            |                    |                    |
| Enclosure protection rating          | IP21                                             |                    |                    |
| Dimensions(L×W×H)                    | 680×480×180(220)mm                               | 680×480×180(220)mm | 680×480×180(220)mm |
| Weight                               | 58.5 kg                                          | 75 kg              | 96.5 kg            |
| Remark:                              |                                                  |                    |                    |