

# Lithium battery

## 锂电池



### LFP 5.8KWH

- 信号模块可以并联或串联安装。
- 每个单元中集成了 WiFi 调制解调器，有助于快速解决售后服务问题。
- 直接与智能手机和电池 BMS 连接，无需互联网即可解决这些站点的售后服务。
- 服务后远程升级固件减少。
- 每个模块中都包含继电器，它比 MOSfet 更加稳定和可靠。
- 天线罩连接蓄电池忽略电压差异。
- 提供墙壁和地面安装方法。
- 电压、电流采样精度更准确。
- 电池容量计算更加精确。

- Signal module could be installed in Parallel or Serial connection.
- Integrated WIFI Modem in each unit, helps to solve problem quickly for after service.
- Direct connect with Smart phone and battery BMS, solve after service for those site without Internet.
- Remote Upgrade Firmware decrease after service.
- Relay Included In each module, which is more stable and reliable than MOSfet.
- Radom connect battery ignore the voltage different.
- Provide wall mountain and Ground install methods.
- Voltage, current Sampling precision, benefits SOC mathematic more accuracy.
- SOC mathematic more correctly and never jump.

Model	SUNKET-LFP 5.8kWh/LV
Total Energy*	5.8kWh
Usable Energy(d.c)*	5.3kWh
Nominal Charge/Discharge Power	2.75kW
Efficiency	>97%
Peak Power(Only discharge)	7kW for 3 seconds
Peak Current(Only discharge)	146A for 3 seconds
Voltage	42-54V DC
Nominal Voltage	48V DC
Nominal Current	57A
Max. Charge Voltage	54.0V
Operating Condition	Indoor or outdoor
Operating Temperature	From -10°C~45°C
Dimension (W*H*D) mm	525*635*238 mm
Weight	66kg
Cooling Type	Natural cooling
Case Material	Metal + Plastic
Color	Black + Silver grey or white
Installation	Free standing/ Wall Mounting
IP rating	IP 65
Max. numbers of parallel connection	4
Warranty	5+5Years
Life Span	>15 years
Communication	CAN/ RS485
Protection Mode	Triple hardware protection
Battery Protection	Over-current/ Over-voltage/ Short circuit/ Under-voltage/ Over temperature
Certification	
Safety	"Cell UL 1973 Battery Pack TUV (IEC 62619) (IEC 62040)"
Hazardous Material Classification	Class 9
Transportation	UN 38.3 (UNDOT)

Testing conditions based on temperature 25°C at the beginning of life.

\* Total Energy/Usable Energy measured under specific conditions from SUNKET-ESS 0.2C CC-CV