



# LFP 5000

## 51.2V 100Ah

RECHARGEABLE LITHIUM BATTERY



High inverter compatibility



Natural cooling system



>15 Years life span



Reliable LFP cells



Scalable up to 80kWh 16 (Parallel)



Cells cycle times 6000 cycles



CANbus standard connection



IP20 Rating Triple hardware protection



Smart BMS system to optimize the performance

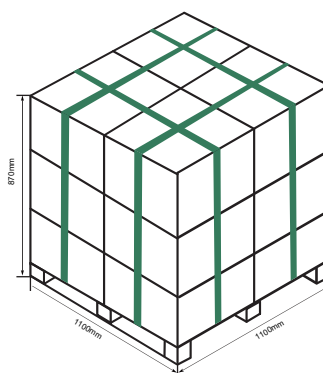
TÜV C € UN 38.3

 **SUNKET<sup>®</sup>-ESS**

## Electrical Characteristics

|                              |                             |
|------------------------------|-----------------------------|
| Module Type                  | LFP 5000                    |
| Nominal Capacity (at 25 °C)  | 5.12kWh                     |
| Usable Capacity ( 90%DOD)    | 4.6kWh                      |
| Nominal Dis-/ Charge Current | 50A / 50A                   |
| Operating Voltage Range (V)  | 43~58V                      |
| Nominal Voltage              | 51.2Vd.c                    |
| Weight                       | 49.5kg                      |
| Dimension(mm)                | 453×433×177mm               |
| Certificates                 | CE,UN38.3,IEC62619,IEC63056 |

|                                 |                                                             |
|---------------------------------|-------------------------------------------------------------|
| Operating Condition             | Indoor                                                      |
| Operating Temperature Charge    | 0~45°C                                                      |
| Operating Temperature Discharge | -10~50°C                                                    |
| Humidity                        | Up to 90% (non- condensing)                                 |
| Pollution Degree                | 3                                                           |
| Over Voltage Category           | II                                                          |
| Cooling Type                    | Natural cooling                                             |
| IP Rating                       | IP20                                                        |
| Protective Class                | I                                                           |
| Max. Number in Parallel         | 16                                                          |
| Warranty                        | 10 years                                                    |
| Life Span                       | >15 years                                                   |
| Communication Interface         | CAN / RS485                                                 |
| Protection Mode                 | Triple hardware protection                                  |
| Battery Protection              | Over-current / Over-voltage / Short circuit / Under-voltage |



**12**  
PIECES  
PALLET

## Packing Configuration

|                       |                 |       |
|-----------------------|-----------------|-------|
| Pallet Dimensions     | 1100x1100x870mm |       |
| Container             | 20'GP           | 40'HQ |
| Pieces per Pallet     | 12              | 12    |
| Pallets per Container | 20              | 40    |
| Pieces per Container  | 240             | 480   |

## Compatible Inverters

