

DATASHEET

| TECHNICAL PROPERTIES | SIRIUS 51100 |
|-----------------------------------|---|
| Total Energy* | 5.12kWh |
| Usable Energy (DC*) | 4.5kWh |
| Nominal Charge / Discharge power | 2.4kW |
| Efficiency | >97% |
| Peak Power (Only discharging) | 6kW for 3 seconds |
| Peak Current (Only discharging) | 100A for 3 seconds |
| Voltage | 48-56V DC |
| Nominal Voltage | 51.2V DC |
| Nominal Current | 50A |
| Max. Charging Voltage | 57.6V |
| Operating Condition | Indoor |
| Operating Temperature | Charge :0°C to 45°C Discharge: -10 C to 45 C |
| Dimension (W*D*H) mm | 525*555*238 mm |
| Weight | 55 kg |
| Cooling Type | Natural cooling |
| Case Material | Metal and Plastic |
| Color | Gray and Black |
| Installation | Cabinet or Wal Mounting |
| IP rating | IP 64 |
| Max. numbers of parallel | 16 Connection |
| Warranty | 5+5 years |
| 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 | Cell UL 1973 |
| Safety | Battery Pack TUV (IEC 62619) (IEC 62040) |
| Hazardous material classification | Class 9 |
| Transportation | UN 38.3 (UNDOT) |