

# 100Ah

**SX Standard model**

**SX-S Available for series connection**

**SX-P Large instantaneous discharge current**



**CE ROHS UN38.3 MSDS**

|                            |                           | SX12V100Ah   | <b>SX12V100Ah-S</b>   | SX12V100Ah-P   |
|----------------------------|---------------------------|--|---|--|
| Electrical Characteristics | Nominal Voltage           | 12.8V  |   |  |
|                            | Nominal Capacity          | 100Ah  |   |  |
|                            | Energy                    | 1280Wh   |   |  |
|                            | Cycle Life                | >3000 cycles @ 0.2C 80% DOD  |   |  |
|                            | Months Self Discharge     | <3%  |   |  |
|                            | Efficiency of Charge      | >99% @0.2C   |   |  |
|                            | Efficiency of Discharge   | 96~99% @0.5C   |   |  |
| Standard Charge            | Charge Voltage            | 14.6±0.2V  |   |  |
|                            | Charge Mode               | CC/CV  |   |  |
|                            | Charge Current            | 20A  | 20A   | 20A  |
|                            | Max. Charge Current       | 100A   | 80A   | 150A   |
|                            | Charge Cut-off Voltage    | 14.6±0.2V  |   |  |
| Standard Discharge         | Continuous Current        | 100A   | 80A   | 150A   |
|                            | Max. Pulse Current        | 105A(<3s)  | 85A(<3s)  | 160A(<3s)  |
|                            | Discharge Cut-off Voltage | 11V  |   |  |
|                            | Depth of discharge        | 90%DOD   |   |  |
| Environmental              | Charge Temperature        | 0°C to 55°C (32F to 131F) @60±25% Relative Humidity  |   |  |
|                            | Discharge Temperature     | -20°C to 60°C (-4F to 140F) @60±25% Relative Humidity  |   |  |
|                            | Storage Temperature       | -20°C to 45°C (-4F to 113F) @60±25% Relative Humidity  |   |  |
|                            | IP Class                  | IP65   |   |  |
| Mechanical                 | Plastic Case              | ABS+PC(the upper cover can be removed for maintenance)   |   |  |
|                            | Weight                    | 13.8KG   |   |  |
|                            | Dimensions                | 350mm x 171mm x 206mm  |   |  |
| Application                | Installation              | Parallel connection <input checked="" type="checkbox"/><br>Series connection <input checked="" type="checkbox"/> | Parallel connection <input checked="" type="checkbox"/><br>Series connection on 24V/36V/48V <input checked="" type="checkbox"/> | Parallel connection <input checked="" type="checkbox"/><br>Series connection <input checked="" type="checkbox"/> |
|                            | Control                   | Battery management system (BMS) integrated   |   |  |
|                            | Monitoring                | Bluetooth monitoring ,Smartphone APP   |   |  |