



## Product Manual

Model: EC4S2P200

Lithium Iron Phosphate Battery (LFP)

Voltage:12.8V    Capacity:200Ah



### Cautions :

- 1) Maximum of 48 Volts (Max 4pcs) new batteries can be connected in series
- 2) This batteries can't support parallel connection
- 3) Serial connection between old and new batteries is not supported
- 4) In serial connection our BMS can be used for 4 batteries. But if you need parallel application you have to connect the inverters in parallel – not batteries.

| Item                                |                                  | Parameter                                   |
|-------------------------------------|----------------------------------|---------------------------------------------|
| <b>Battery Pack Main Parameters</b> | Nominal Capacity                 | 200Ah                                       |
|                                     | Usable Capacity                  | 200Ah                                       |
|                                     | Nominal Voltage                  | 12.8V                                       |
|                                     | Energy                           | 2560Wh                                      |
|                                     | Charge Voltage                   | 14.6V                                       |
|                                     | Discharge cut-off voltage        | 10V                                         |
|                                     | Charge Method                    | CC/CV                                       |
|                                     | Standard Charge Current          | 15A                                         |
|                                     | Max. Charge Current              | 100A                                        |
|                                     | Standard Discharge Current       | 20A                                         |
|                                     | Max. Continues Discharge Current | 100A                                        |
|                                     | Cycle Life                       | 1500 times                                  |
|                                     | Internal Impedance               | ≤70mΩ                                       |
|                                     | Dimension                        | L521 x W267 x H219.5mm                      |
|                                     | Weight                           | Approx. 28kg                                |
|                                     | Working Temperature Range        | Charge: 0°C--45°C<br>Discharge: -20°C--60°C |
|                                     | Storage Temperature              | -10°C--45°C                                 |

#### Recommended Parameters for Inverter/ Charger

| Battery number in series | Nominal Voltage | Charge            |          |               | Discharge       |               |
|--------------------------|-----------------|-------------------|----------|---------------|-----------------|---------------|
|                          |                 | Voltage           |          | Current (Max) | Cut-off voltage | Current (Max) |
|                          |                 | Bulk / Absorption | Floating |               |                 |               |
| 1 S                      | 12.8 V          | 14.6 V            | 13.6 V   | 100A          | 10 V            | 100A          |
| 2 S                      | 25.6 V          | 29.2 V            | 27.2 V   | 100A          | 20 V            | 100A          |
| 4 S                      | 51.2 V          | 58.4 V            | 54.4 V   | 100A          | 40 V            | 100A          |

#### Application:

- Solar system + Wind Power system
- Car Audio System
- Lighting equipment/ Emergency lighting equipment
- Fire alarm and security systems
- Telecommunication equipment
- Electric equipment and Telemeter equipment
- Wireless lawn mowers, vacuum cleaner and washing machine
- Toys and consumer electronics
- Portable power tools, measuring and medical equipment
- Portable video camera, portable personal computer
- Camper, Trailer, Caravan, Camping Truck, Bus, RV etc.

#### Contact Info

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