

# SKANBATT

## Datasheet BAS12-200BH

### Electrical Specifications

|                                 |                     |
|---------------------------------|---------------------|
| Nominal Voltage                 | 12,8V               |
| Nominal Capacity                | 200Ah               |
| Nominal Energy                  | 2560Wh              |
| Internal Resistance             | ≤40mOhm             |
| Self Discharge Rate             | <3% pr month        |
| Max. Modules in Parallel/Series | 4 / 4               |
| Life Cycles                     | >4000 @0,3C 80% DoD |
| Chemistry                       | LiFePO4             |

### Mechanical Specifications

|                           |                     |
|---------------------------|---------------------|
| Dimensions (L x W x H)    | 483mm*170mm*240mm   |
| Weight                    | 20,2 ±0,2kg         |
| Terminal                  | M8 bolts (10-11 Nm) |
| Case Material             | ABS                 |
| Enclosure Protection Rate | IP55                |

### Charge Specifications

|                         |               |
|-------------------------|---------------|
| Rec. Charge Current     | <100A         |
| Max. Charge Current     | 200A          |
| Rec. Charge Voltage     | 14,0-14,6V    |
| Rec. Float Voltage      | 13,6-13,8V    |
| High Voltage Disconnect | 14,6V +/-0.1V |

### Protection Features

|                             |     |
|-----------------------------|-----|
| Short Circuit Protection    | Yes |
| Low Voltage protection      | Yes |
| High Voltage protection     | Yes |
| Low Temperature protection  | Yes |
| High Temperature protection | Yes |
| Cell imbalance protection   | Yes |
| Over current protection     | Yes |

### Discharge Specifications

|                                   |              |
|-----------------------------------|--------------|
| Rec. Discharge Current            | <100A        |
| Max. Continuous Discharge Current | 200A         |
| Peak Discharge Current            | 400A <3@25°C |
| Short Circuit Protection          | S            |
| End of Discharge                  | 10~11V       |

### Temperature Specifications

|                                |                         |
|--------------------------------|-------------------------|
| Short-term Storage Temperature | -40°C to 60°C           |
| Long-term Storage Temperature  | -10°C to 45°C           |
| Rec. Storage Temperature       | 5°C - 15°C @45%-75% SoC |
| Charge Temperature             | -20°C - 55°C            |
| Discharge Temperature          | -20°C - 60°C            |

### Communications

|           |                         |
|-----------|-------------------------|
| Bluetooth | Yes – Skanbatt Base App |
|-----------|-------------------------|

### Others

|                      |                                             |
|----------------------|---------------------------------------------|
| Mounting orientation | Dynamic: Upright<br>Static: Upright or side |
| Certifications       | UN38.3 / CE / IEC62619 /<br>UL1973          |