# SKANBATT

## Datasheet BAS12-20B

### Electrical Specifications

| | |
|---|---|
| Nominal Voltage | 12,8V |
| Nominal Capacity | 20Ah |
| Nominal Energy | 256Wh |
| Internal Resistance | ≤40mOhm |
| Self Discharge Rate | ≤3,0% pr month |
| Max. Modules in Series | 4 |
| Life Cycles | ≥4000 to 80% capacity |
| Chemistry | LiFePO4 |

### Mechanical Specifications

| | |
|---|---|
| Dimensions (L x W x H) | 181mm*78mm*164mm |
| Weight | 1,95 ±0,1kg |
| Terminal | Bolt terminals |
| Case Material | ABS |
| Enclosure Protection Rate | IP54 |

### Charge Specifications

| | |
|---|---|
| Rec. Charge Current | ≤10A |
| Max. Charge Current | 20A |
| Rec. Charge Voltage | 14,2-14,6V |
| Rec. Float Voltage | 13,5-13,8V |

### Protection Features

| | |
|---|---|
| Short Circuit Protection | Yes |
| Low Voltage Protection | Yes |
| High Voltage Protection | BMS cut-off |
| Low Temperature Protection | Not specified |
| High Temperature Protection | Not specified |

### Discharge Specifications

| | |
|---|---|
| Rec. Discharge Current | ≤10A |
| Max. Continuous Discharge Current | 20A |
| Pulse Discharge Current | 40A @10s |
| Peak Pulse Current | 105A @320ms |
| End of Discharge | 10,0-11,0V |

### Temperature Specifications

| | |
|---|---|
| Short-term Storage Temperature | -40℃ to 60℃ |
| Long-term Storage Temperature | -10℃ to 45℃ |
| Rec. Storage Temperature | 5℃ - 15℃ @45%-75% SoC |
| Charge Temperature | 0℃ to 55℃ |
| Discharge Temperature | -20℃ to 60℃ |

### Communications

| | |
|---|---|
| Bluetooth | Yes - SKANBATT Base |

### Others

| | |
|---|---|
| Altitude | <3000m |
| Certifications | Cell: IEC62619 / UN38.3<br>Pack: UN38.3 / CE |