

12.8V 280Ah Battery Data Sheet

| NO. | Item | General Parameter | | Remark |
|----------------------------|-----------------------------------|---------------------------------------|----------------|--|
| 1 | Battery type | Lifepo4 battery | | lifepo4 3.2V 280Ah cell |
| 2 | Rated voltage | 12.8 V | | Work voltage |
| 3 | Standard capacity | 280 Ah | | |
| 4 | Rate Power | 3584 Wh | | |
| 5 | Internal Impedance | ≤ 30 mΩ (AC 1 kHz) | | |
| 6 | Max. Charge voltage | 14.6 V | | Voltage of Charger Selection |
| 7 | Cut-off voltage | 10 V | | BMS discharge voltage cut-off |
| 8 | Standard charge current | 28 ~ 280 A | | Max charge current 280 A |
| 9 | Continuous discharge current | 28 ~ 280 A | | |
| 10 | Peak Continuous discharge current | 420 A | | 10 seconds |
| 11 | Battery dimension | 345*190*245 mm | | |
| 12 | Total weight (Approx.) | 27.3 kg | | Gross weight. |
| 13 | (CC/CV) Charge method (CC/CV) | Standard | 0 °C ~ 25 °C | Charge |
| | | Discharge | -20 °C ~ 60 °C | |
| | | Storage | 5 °C ~ 25 °C | |
| 14 | Capacity @ shipment | 20 % - 30 % | | |
| 15 | Ingress Protection | IP61 | | |
| 16 | Cycle life | ≥ 5000 times | | |
| 17 | Composed Type | 4S1P | | |
| 18 | BMS | Cell Over charge voltage protection | | 3.65 ± 0.025 V |
| | | Cell over discharge protection | | 2.5 ± 0.02 V |
| | | Balancing current | | 35 mA |
| | | Balancing voltage | | 3.4 V |
| | | Self consumption | | Working current: 20mA, Sleep current: 400 uA |
| | | Pack Charge overcurrent protection | | 280 A |
| | | Pack Discharge overcurrent protection | | 420 A |
| | | Short circuit protection | | 50 A 300 us |
| | | High temperature protection | | 65 °C |
| Low temperature protection | | -5 °C | | |
| 19 | Warranty time | 5 years | | |

