

BATTERY MODEL: 12.8V 42AH LIFEPO4

| Description | Technical Specification | Remark |
|-----------------------------------|-------------------------|--|
| Nominal Capacity | 42Ah | Capacity according to standard charge and Discharge |
| Nominal Voltage | 12.8V | The average value of working voltage during the whole discharge process. |
| Nominal Wattage | 537Wh | |
| Internal Impedance of Pack | ≤4.6mΩ | Internal Impedance calculated after series and parallel configuration |
| Type of Cell | Cylindrical | Part No. 32650 |
| Capacity of Individual Cell | 3.2V – 6000mAh | A Grade Cell with IR < 8mΩ |
| Configuration | 4S-7P | 4 in Series and 7 in Parallel |
| Charge Current | 5-8A | Constant Charge |
| Discharge Current | 10A | Constant Discharge |
| Charge Cut-Off Voltage | 14.6V | Protected with Balancing BMS |
| Discharge Cut-Off Voltage | 10.5V | Protected with Balancing BMS |
| Working Temperature (Charging) | 0-45°C | Under constant charge |
| Working Temperature (Discharging) | 20-55°C | Under constant discharge |
| Weight | 4.48kG | Approx |
| Dimension | Length (mm) | 245mm |
| | Width (mm) | 130mm |
| | Height (mm) | 70mm |
| Cycle Life | ≥2000 | With 80% DOD |
| Storage Temperature | 1 – 3 Month | 20 - 60°C |
| | 1 – 6 Month | 20 - 45°C |
| Battery (LCV) | Provided | |
| Battery (HCV) | Provided | |
| Battery Reverse Protection | Provided | |