

# NTSB-B128-PS5120 LITHIUM BATTERY LIFEPO4 400AH 12,8V

NEUTRON

## Features of LiFeP04 Battery

**Longer cycle life:** The cycle life of the battery pack can reach 2,000 times, 10 times that of lead-acid battery, effectively saving the replacement and maintenance cost.

**Lighter weight:** High energy density, which is only 40% of the weight of lead-acid battery (under same capacity).

**High discharge rate:** Providing twice the power of lead-acid battery, or even at a higher discharge rate, while maintaining a high energy capacity.

**Wider temperature range:** -20 to 60℃

**Superior safety:** Lithium iron phosphate chemicals eliminate the risk of an explosion or fire due to high-impact, overcharging or short-circuit.



## Dimensions (mm)



## Application

Solar/wind energy storage

UPS/EPS backup power supply

| Electrical Characteristic  | Voltage                   | 12.8V                                                 |
|----------------------------|---------------------------|-------------------------------------------------------|
|                            | Rated capacity            | 400Ah                                                 |
|                            | Power                     | 5120Wh                                                |
|                            | Cycle life                | ≥2000times@80%DOD@35℃                                 |
|                            | Monthly self-discharge    | <3%/Month                                             |
|                            | Charge efficiency         | ≥97%                                                  |
|                            | Discharge efficiency      | ≥98%                                                  |
| Charging Standard          | Charging cut-off voltage  | 14.6V                                                 |
|                            | Charging current          | 200A                                                  |
|                            | Charging voltage          | 14.4V                                                 |
| Discharge Standard         | Sustained current         | 200A                                                  |
|                            | Maximum surge current     | 250A(3S)                                              |
|                            | Discharge cut-off voltage | 10.0V                                                 |
| Temperature Characteristic | Charging temperature      | 0℃ to 45℃ (32F to 113F) @60 ± 25% relative humidity   |
|                            | Discharge temperature     | -20℃ to 60℃ (-4F to 140F) @60 ± 25% relative humidity |
|                            | Storage temperature       | 0℃ to 40℃ (32F to 104F) @60 ± 25% relative humidity   |
|                            | Waterproof level          | IP30                                                  |
| Others                     | Material system           | LiFePO4                                               |
|                            | Shell material            | ABS                                                   |
|                            | Dimensions                | 523*269*218mm                                         |
|                            | Weight                    | 37kg                                                  |
|                            | Optional                  | Bluetooth, Shell color, Protection level              |