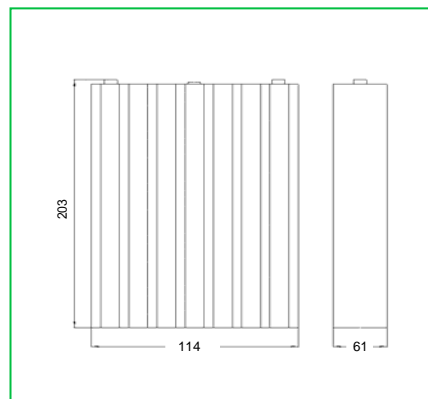


Lumos LiFePO4 Battery HP-PWAH Specification

Basic Information

| | |
|-------------------------------------------------------|------------------------------------------------|
| Nominal Voltage | 3.2V |
| Nominal Capacity @23°C/77°F | 60AH @C/3 Discharge |
| Available Capacity @23°C/77°F | ≥ 98% at 1C Discharge |
| | ≥ 95% at 2C Discharge |
| | ≥ 90% at 3C Discharge |
| Specified Volumetric Density (C/3, 23°C/77°F) | 133.70Wh/L |
| Specified Gravimetric Density (C/3, 23°C/77°F) | 94.10Wh/Kg |
| Specific Power (23°C/77°F) | 471W/Kg @ 15 sec; 282W/Kg (continuous) |
| Internal Resistance | ≤ 1.50 Ω m |
| Cycle Life (23°C/77°F) | 2000 times @80% DOD |
| | 1000 times @100% DOD |
| Dimensions (L x W x H) Include terminals & Bus Bar | 114 x 61 x 203 mm (4.49 x 2.40 x 7.99 inch) |
| Weight (Include terminals & Bus Bar) | 2.04Kg/4.50lbs |
| Bolt Type | M6 |
| Pole Distance (mm) | 60 mm |

Picture & Drawings



Advantages:

- Long Cycle Life
- No Memory Effect
- High C-Rate Charging & Discharging Capability
- Great DOD Peak Power
- Excellent High & Low Temperature Performances
- Environmental Friendly
- Safe

Charge Methods (@ 23°C/77°F)

| | |
|----------------------------------------------|------------------------|
| Charge Voltage | 3.65V |
| Cut-off Voltage | 3.85V |
| Charge Mode | CC/CV (3.65V) |
| Standard Charge Current | 20.0A (C/3) |
| Max. Continuously Current in CC Charge State | ≤ 60A (1C) @0~90% SOC |
| Peak Charge Current | ≤ 120A (2C) @0~80% SOC |
| Balance Time in CV State | 1~2 hours |
| Float Charge Current | 3.40V |

Discharge Methods (@ 23°C/77°F)

| | |
|---------------------------------------|-----------------------|
| Discharge Voltage | 3.20V @ C/2 Discharge |
| End Voltage | 2.50V |
| Standard Discharge Current | 20.0A (C/3) |
| Max. Continuously Current | 180.0A (3C) |
| Peak Discharge Current | |
| Peak Discharge Current for 5 seconds | ≤ 500A (10C) |
| Peak Discharge Current for 15 seconds | ≤ 250A (5C) |
| Peak Discharge Current for 60 seconds | ≤ 250A (5C) |
| Self-discharge Rate | 3% (Monthly) |

Temperature Characteristics

| | | |
|-----------------------|------------------------|-------------------|
| Working Temperature | Charge | 0~45°C/32~113°F |
| | Discharge | -20~60°C/-4~140°F |
| Storage Temperature | 1 Month | -20~60°C/-4~140°F |
| | 3 Months | -20~45°C/-4~113°F |
| | 6 Months | -20~25°C/-4~77°F |
| Water/Dust Resistance | IP67 | |
| Atmospheric Pressure | 86~106Kpa | |
| Operation Humidity | 25~85%, Non-condensing | |

Approved by   



Lumos Power & Electronics Co., Ltd.

To ensure safe and efficient operation, please always refer to the latest edition of our Technical Manual as published on our website: www.cnlumos.com

All datas subject to change without notice.