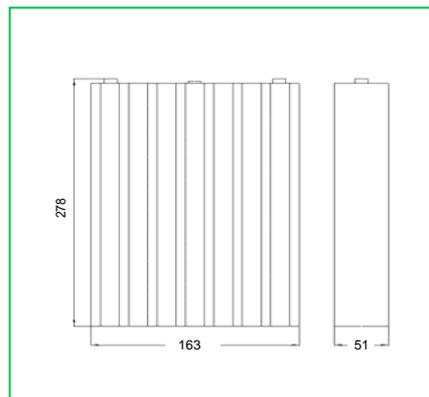


Lumos LiFePO4 Battery HP-PW0AH Specification

Basic Information

Nominal Voltage	3.2V
Nominal Capacity @23°C/77°F	100AH @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)	138.40Wh/L
Specified Gravimetric Density (C/3, 23°C/77°F)	94.1Wh/Kg
Specific Power (23°C/77°F)	471W/Kg @ 15 sec; 282W/Kg (continuous)
Internal Resistance	≤ 1mΩ
Cycle Life (23°C/77°F)	2000 times @80% DOD
	1000 times @100% DOD
Dimensions (L x W x H) Include terminals & Bus Bar	163 x 51 x 278 mm (6.36 x 2.00 x 10.9 inch)
Weight (Include terminals & Bus Bar)	3.40Kg/7.48 lbs
Bolt Type	M8
Pole Distance (mm)	90 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	33.3A (C/3)
Max. Continuously Current in CC Charge State	≤ 100A (1C) @0~90% SOC
Peak Charge Current	≤ 200A (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	33.3A (C/3)
Max. Continuously Current	300A (3C)
Peak Discharge Current	
Peak Discharge Current for 5 seconds	≤ 800A (8C)
Peak Discharge Current for 15 seconds	≤ 500A (5C)
Peak Discharge Current for 60 seconds	≤ 500A (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.