



BLUE ION™ 2.0

ENERGY STORAGE FOR OFF GRID LIVING



SUPER HIGH PERFORMANCE

Power options

Power ON

8 kWh

24" x 24" x 39"



Ideal for 1,200 sq. ft. home or 2 people¹



Power UP

16 kWh

24" x 24" x 39"



Ideal for 2,000 sq. ft. home or a small family¹



Power ALL

Up to 450 kWh

Scalable to fit your needs



Ideal for eco-mansions to light commercial buildings¹



Stay connected

Sync up and monitor from anywhere*

Monitor Blue Ion 2.0 using your smartphone, tablet, or computer.



*Internet connection necessary for remote monitoring.

Best value for off-grid living

TOTAL COST OF OWNERSHIP @ 21 Years

Blue Ion 2.0
Provides Up to
3.5x
Lower Cost¹

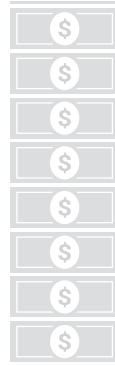
Based on replacement costs and maintenance.



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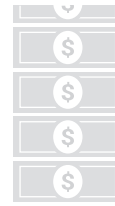
Flooded Lead Acid



Sealed Lead Acid

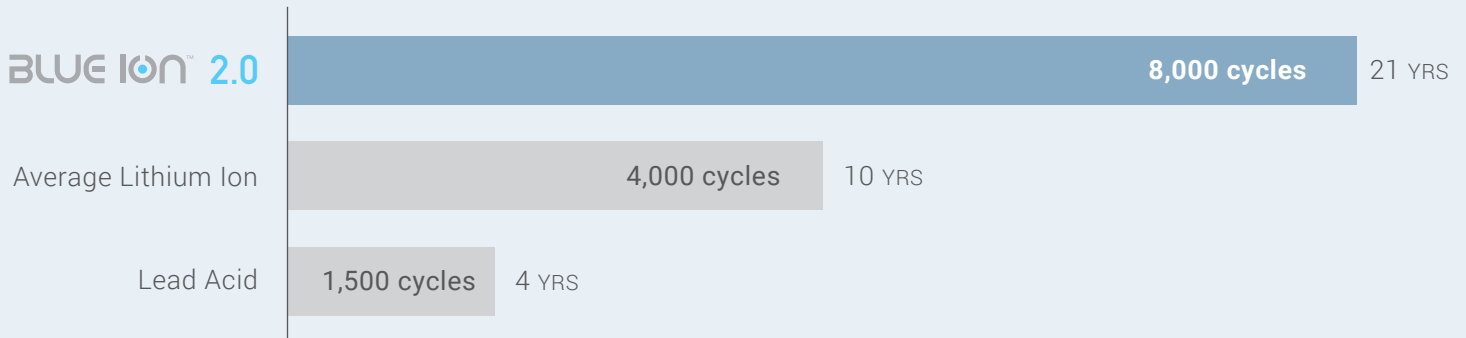


Advanced Flooded Lead Acid



Average Lithium Ion

CYCLES AT 100% DEPTH OF DISCHARGE³



15 YEAR
PERFORMANCE
WARRANTY²

ZERO
MAINTENANCE

SAFE
LITHIUM ION

¹Energy usage may vary. Average U.S. household energy usage is approximately 30.4 kWh/day, Energy Information Administration. ²Based on manufacturer's maintenance schedules and replacement costs measured over a 21 year period. ³Based on manufacturer's warranty, discharge cycles and operating parameters.

Tech specs

||| Super High Performance

🕒 Rapid Charge (up to 90% in 1 hr)

🔋 100% Depth of Discharge

🔄 8,000 Cycle

⚠️ Exceptional Durability

| | |
|---|--|
| Nominal Capacity: | Model Numbers: |
| 8 kWh | BI2-08-18U |
| 12 kWh | BI2-12-18U |
| 16 kWh | BI2-16-18U |
| Maximum System Size | 450 kWh |
| Super BMU Continuous Power: | 8 kW per enclosure |
| Maximum Continuous System Current: (Per Enclosure) | 160 Amps Continuous 200 Amps for 30 minutes 220 Amps for 5 minutes |
| Overcurrent Protection Breaker: | 250 Amps |
| Nominal System Voltage: | 48 Vdc |
| Maximum System Voltage (100%): | 56 Vdc |
| Minimum System Voltage (1% SOC): | 44 Vdc |
| Usable DOD: | > 99% at full power |
| Cycle Life: | 8000 @ 100% DOD |
| Maximum Continuous Charge: | 1C |
| Maximum Discharge Rate: | 1C |
| Peak Round Trip Efficiency: | 98% |
| Storage Temperature: | -20 to 45°C |
| Maximum Discharge Temperature: | -20°C to +50°C |
| Maximum Charge Temperature: | 0°C to +45°C |
| Humidity: | 10-90% RH |
| Maximum Gross Weight: | 8 kWh, 260 lbs / 12 kWh, 390 lbs / 16 kWh, 500 lbs |
| Size: | 24" x 24" x 39" |
| Battery Monitoring Communication: | Modbus TCP/IP |
| Chemistry: | LFP |
| Certifications: | UL 1642 Lithium Ion Cell IEC 62133 SBA S1101 UL 1973 Lithium Ion Battery Modules UL 9540 Energy Storage System |

05312018



BLUE PLANET
ENERGY

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