



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 monitoring.

Best value for off-grid living

TOTAL COST OF OWNERSHIP @ 21 Years

Blue Ion 2.0
Provides Up to
3.5x
Lower Cost¹

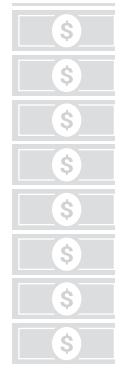
Based on replacement costs and maintenance.



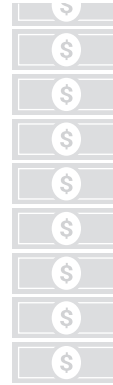
BLUE ION™ 2.0



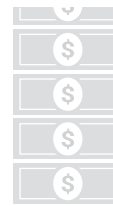
Flooded
Lead Acid



Sealed
Lead Acid



Advanced
Flooded
Lead Acid



Average
Lithium Ion

CYCLES AT 100% DEPTH OF DISCHARGE³

BLUE ION™ 2.0



Average Lithium Ion

4,000 cycles

10 YRS

Lead Acid

1,500 cycles

4 YRS

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:	9 kW per enclosure
Maximum Continuous System Current:	180 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 (OCV@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
Discharge Rate:	0.8C
(@ Ambient Temperature 10-45°C)	
Round Trip Efficiency:	95% (@100% Power) 96.8% (@ 60% Power) 98% (@30% Power)
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:	LiFePO4
Certifications:	UL 1642 Lithium Ion Cell IEC 62133 SBA S1101 UL 1973 Lithium Ion Battery Modules



BLUE PLANET
ENERGY

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