

Premium Features to Power Your Future



Blue Ion HI is Blue Planet Energy's premium battery system for those who desire a flexible and superior energy storage experience. As a universal pairing for any 48-volt battery-based inverter, the Blue Ion HI effortlessly accommodates energy storage from a variety of sources, including solar PV, the utility grid, generators, and more. Thoughtfully designed, Blue Ion HI boasts intuitive features that dramatically simplify installation, including removable panels for easy internal access, a specially designed racking system for precise battery module installation and proprietary conduit knockouts for a no-drill process. Like all Blue Planet Energy solutions, Blue Ion Technology delivers safety through a benign battery chemistry and an intelligent architecture with an unmatched 15-year performance warranty. Blue Ion HI is proudly built in the USA and deployed around the planet for grid-optional energy storage applications that support decarbonization and electrification goals.



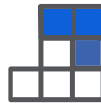
SAFE

Fire-safe, non-toxic, LFP cells and redundant system level protection



POWERFUL

High-power 8kW continuous performance



EASILY EXPANDABLE

Modular enclosure with capacities of 8kWh, 12 kWh, and 16 kWh



DEPENDABLE

15-year performance warranty (8,000 cycles) and 100% DoD



INTUITIVE COMMUNICATIONS

Seamlessly connect and monitor your entire energy system

CONDUIT KNOCKOUTS

8x concentric knockouts - 1, 1.5, 2"

RUGGED EXTERIOR

Designed with aerospace-grade aluminum, stainless steel, and durable matte black powder coat finish for long lasting protection

LOCK AND KEY CAM LATCH

For secure access only

REMOVABLE ACCESS PANELS

For a flexible and easy installation/accessibility

HEIGHT ADJUSTABLE STAINLESS STEEL FEET

Increased safety and flexibility on uneven surfaces (Optional casters available)

VENTILATION

New design improves circulation

PEST RESISTANT

Well-sealed and gasketed enclosure

FUNCTIONAL DESIGN

Horizontal and vertical configuration allow for easy expansion and reduced system footprint



Example shows 3 enclosures in a stacked and side-by-side configuration

Electrical

| | |
|--------------------------------|---|
| USABLE CAPACITY | 8, 12 or 16 kWh configurations |
| BMU POWER AT 45°C | 8kW continuous |
| BMU CURRENT AT 45°C | 160 Adc continuous, 200 Adc for 30 minutes, 220 Adc for 5 minutes |
| NOMINAL SYSTEM VOLTAGE | 51.2 Vdc (48 Vdc inverter compatible) |
| MAXIMUM SYSTEM VOLTAGE | 56 Vdc |
| OVERCURRENT PROTECTION BREAKER | 250 Adc |
| COMMUNICATIONS PROTOCOL | Modbus TCP/IP |

Mechanical

| | |
|-------------------------|---|
| DIMENSIONS (H X W X D) | 38-39* in x 24 in x 31.5 in 97-99.1 cm x 61 cm x 80.1 cm <small>*Adjustable leg +0-1" , Optional casters increase height</small> |
| WEIGHT | Enclosure - 216 lb (98kg) 8 kWh Solution - 454 lb (206 kg) 12 kWh Solution - 573 lb (260 kg) 16 kWh Solution - 692 lb (314 kg) |
| ACCESSORIES* (Optional) | Stacking Kit, Caster Kit |

Performance

| | |
|----------------------------|--------------------------------------|
| CHEMISTRY | Lithium Ferrous Phosphate |
| DEPTH OF DISCHARGE (DoD) | 100% |
| PEAK ROUND-TRIP EFFICIENCY | 98% |
| PERFORMANCE WARRANTY | 15-years or 8,000 cycles at 100% DoD |
| PRODUCT WARRANTY | 10-years, includes BMU |

Environmental

| | |
|-----------------------------|-------------------------------|
| STORAGE TEMPERATURE RANGE | -4°F to 113°F (-20°C to 45°C) |
| DISCHARGE TEMPERATURE RANGE | -4°F to 122°F (-20°C to 50°C) |
| CHARGE TEMPERATURE RANGE | 32°F to 113°F (0°C to 45°C) |
| OPERATING AMBIENT HUMIDITY | 10% RH to 90% RH |
| ENCLOSURE TYPE | Indoor (NEMA 1) |

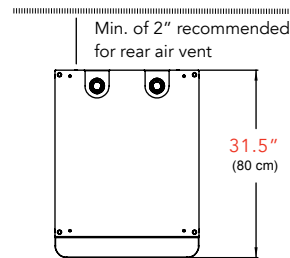
Compliance Information

| | |
|----------------|--|
| CERTIFICATIONS | UL 9540, UL 9540A, UL 1642, UL 1973, UN 38.3, cETLus |
| EMISSIONS | FCC Part 15 Class B, ICES-003 Class B |

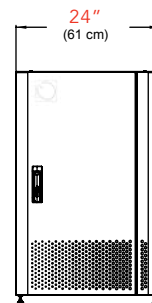
Nāmaka Specifications

| | |
|-------------------------|----------------------|
| Communications Solution | |
| DIMENSIONS (H X W X D) | 15 in x 12 in x 6 in |
| COMMUNICATION LANGUAGE | Modbus, CAN bus |
| POWER TYPE | 24 Vdc |

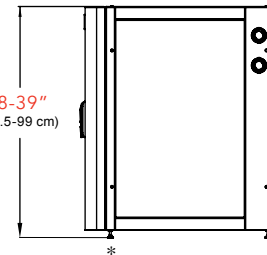
All dimensions = inch (cm)



TOP VIEW

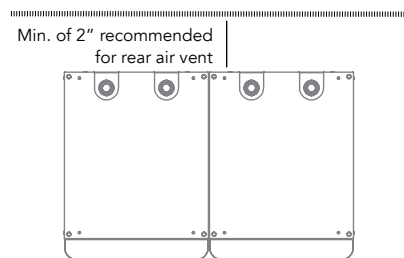


FRONT VIEW

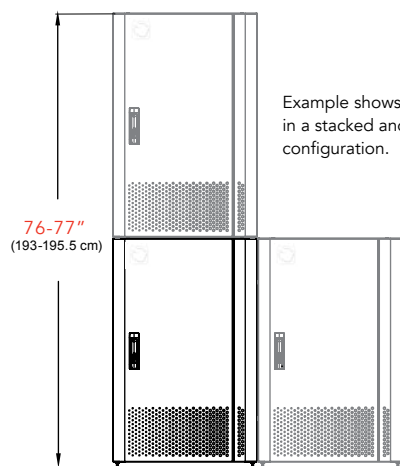


SIDE VIEW

*Adjustable leg +0-1" (25.4mm)
*Optional casters increase height



TOP VIEW



FRONT VIEW

Example shows 3 enclosures in a stacked and side-by-side configuration.