



BLUE ION HI

Premium Features to Power Your Future

A safe, grid-optional™, premium battery system for those who desire a flexible and superior energy storage experience. Effortlessly drawing from a variety of energy sources and deployed around the planet (even proven to perform in high-elevation areas such as Colorado's tallest peak), Blue Ion HI powers homes and businesses while supporting decarbonization and electrification goals.



SAFE

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



POWERFUL

High-power 8kW continuous performance



DEPENDABLE

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



INVERTER AGNOSTIC

Pairs with any 48-volt battery-based inverter configured in single, split or 3-phase 208



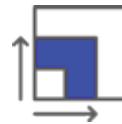
EXPANDABLE

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



INTUITIVE COMM

Seamlessly connect and monitor your entire energy system



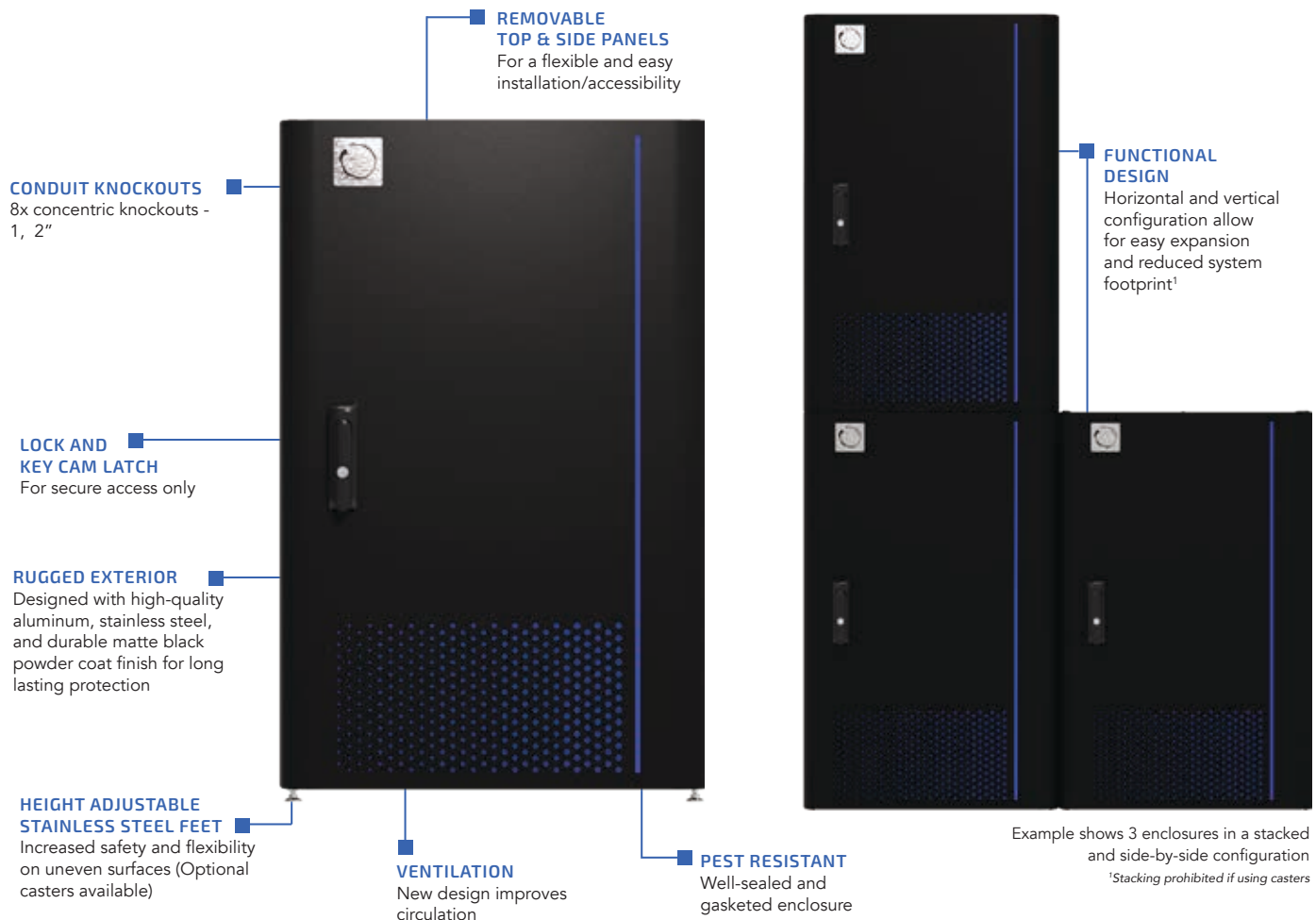
SCALABLE

Easily increase capacity with additional enclosures; up to 480 kWh



EASY INSTALLATION

Thoughtfully designed removable panels, racking system, and conduit knockouts



SPECIFICATIONS

Blue Ion HI | Proudly Designed and Built in the USA

Electrical

USABLE CAPACITY	8, 12 or 16 kWh configurations
BMU POWER AT 45°C	8kW continuous
BMU CURRENT AT 45°C	160 Adc continuous, 185 Adc for 30 min, 200 Adc for 5 min
NOMINAL SYSTEM VOLTAGE	51.2 Vdc (48 Vdc inverter compatible)
MAXIMUM SYSTEM VOLTAGE	56 Vdc
MAXIMUM DISCHARGE CURRENT	185A for 30 min - ~9.5kW 200A for 5 min - ~10.25kW 220A for 10 sec - ~11.25kW
OVERCURRENT PROTECTION BREAKER	250 Adc
COMMUNICATIONS PROTOCOL	Modbus TCP/IP

Mechanical

DIMENSIONS (H X W X D)	38-39" in x 24 in x 28 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 ¹ (Optional)	Stacking Kit ¹ , Caster Kit <small>¹Stacking prohibited if using casters</small>

Performance

CHEMISTRY	Lithium Ferrous Phosphate (LiFePO4)
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

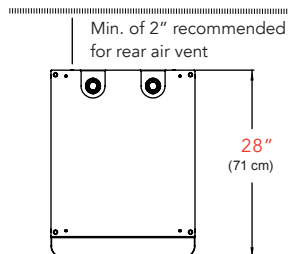
Environmental

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)

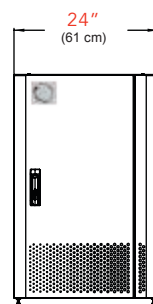
Compliance Information

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

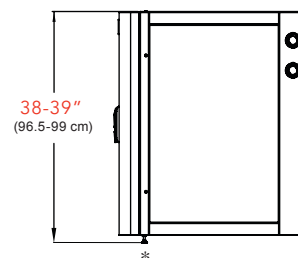
All dimensions = inch (cm)



TOP VIEW

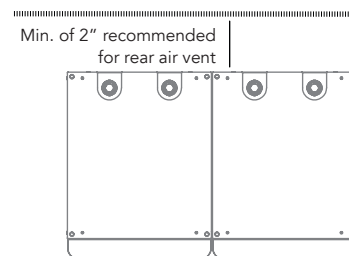


FRONT VIEW

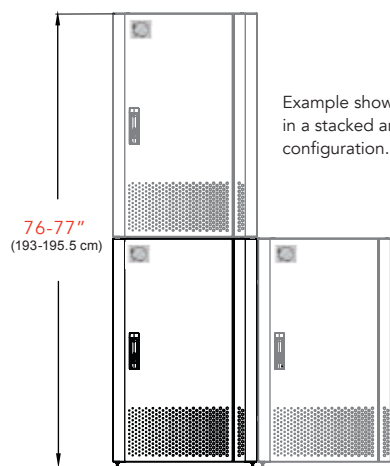


SIDE VIEW

*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.