



Blue Ion MX

Bridging the Voltage Gap

Introducing the Blue Ion MX, our innovative mid-voltage battery solution and a game-changer in small commercial energy storage projects. This innovative mid-voltage solution is tailor-made for 3-phase 208VAC applications, outperforming low and high-voltage alternatives. Paired with cutting-edge hybrid inverters, it ensures seamless energy source to storage integration. GridOptional™, scalable from 32kWh to 1MWh+¹, and compatible with robust communications solutions, the Blue Ion MX elevates your commercial battery energy storage system (BESS) guaranteeing peak performance and adaptability as your needs evolve. Unlock your energy potential today.

REMOVABLE SERVICE ENTRANCE
For safe serviceability

DISCONNECT SWITCH
Is externally accessible for emergency safety

FIRE-SAFE BATTERY CHEMISTRY
With additional system safeguards built in

LOCK AND KEY CAM LATCH
For secure access only

ECO-FRIENDLY AIR FILTER
Washable and reusable

PEST RESISTANT UNDERSIDE PAN
Removable and sealable

TUNABLE COOLING SYSTEM
Is adjustable for environmental conditions

INDUSTRY FIRST ZERO-DISPLACEMENT DOOR HINGE
Allows for easy serviceability without sacrificing energy density

RUGGED EXTERIOR
Made of corrosion resistant galvanized and stainless steel components, plus a durable, textured powder coat finish for protection against harsh conditions

EASILY EXPANDS
Seamlessly enables concurrent or future side-by-side Blue Ion MX system integration

HEIGHT ADJUSTABLE STAINLESS FEET
Accommodates various installation requirements

GridOptional™
Functions with or without the Utility Grid

Fully Scalable
32kWh - 1MWh+¹

Operating Temperature Range:
-4°F to 113°F
(-20°C to 45°C)

100% Usable Capacity

21 Year Life Expectancy
(8,000 Cycles)

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*Two side-by-side Blue Ion MX illustrates a 64 kWh system

¹ Blue Ion MX sizing limitations are contingent upon the selection of external system equipment. Please consult with our technical support team for detailed information.



System Technical Specifications

SYSTEM SIZE	30kW/32kWh
EXPANDABLE	30kW and 32kWh increments
DIMENSIONS PER 32kWh H x W x D	76 in x 24 in x 32 in (193.04 cm x 60.96 cm x 81.28 cm)
MOUNTING	Adjustable Feet, Wall Mount and Floor Mount
ALTITUDE LIMITATIONS	16,404 ft (5,000 m) at Full Power
OPERATING VOLTAGE	368 - 448 VDC
NOMINAL VOLTAGE	410 VDC

Battery Specifications

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)
PERFORMANCE WARRANTY	15 Years or 8,000 Cycles to 70%* Remaining Capacity (100% DoD)
COOLING NOISE dB	65dB
C-RATE	1C*
CHEMISTRY	Lithium Ferrous Phosphate
WEIGHT	1,435 lb (651 kg) for 32kW increment

* Refer to warranty documentation

Controller Specifications

DATA ACCESS	Cloud, Local Area Network
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Compliance Information

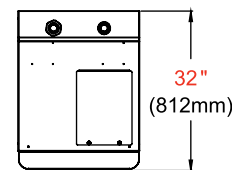
CERTIFIED TO	UL 9540, UL 9540A, UL 1642, UL 1973, UN 38.3, IEEE 1547
EMISSIONS	FCC Part 15 Class B, ICES-003 Class B

Applications

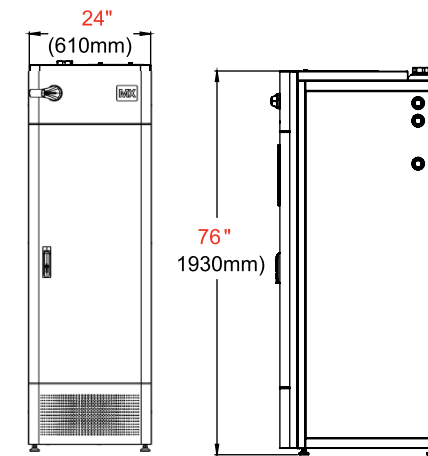
OFF-GRID	Generation source agnostic, generator interface, load control, islanding capable, resiliency
GRID INTERCONNECTED	Microgrid with full grid interactivity and full off-grid capability, zero export, self consumption, tariff optimization, demand management, load shifting



All dimensions = inch (mm)



TOP VIEW



FRONT VIEW

SIDE VIEW