LAUNCH DATE: Q1 2023

Lightalarms 1500W High-Capacity Mini Inverter

Interruptible unit equipment

by ABB

Agenda

Goals & Objectives

Product Overview

- Technology
- Aesthetics and Compliance
- Nexus® System
- Performance

Go-to-Market Strategy:

- Value proposition
- Applications
- Main benefits
- Sales tools

Ordering Information

Goals & Objectives

1500 High-Capacity Mini Inverter

1500W High-Capacity Mini Inverter

Interruptible unit equipment

Why?

1. New addition to the product offering

A. Newly designed 1500W capacity

B. BC – California Energy Commission Title 20 (standard)

2. Innovative

A. Nexus® RF

B. Nexus®Pro - New IoT system compatibility

3. Design Advancement

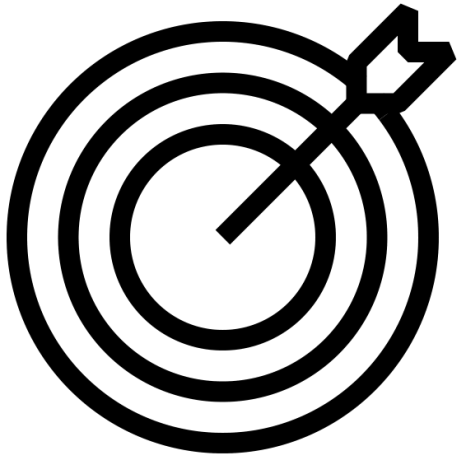
A. Load design flexibility (Load shedding)

B. 4 output circuits

Goals

1500W High-Capacity Mini Inverter

Project targets



1. Increase customer **design options**
2. Emergency lighting **connectivity**
3. Increase **competitiveness**

Product Overview

1500 High-Capacity Mini Inverter

Technology

1500W High-Capacity Mini Inverter

4 output circuits

Nexus®Pro

nexus

New 1500W capacity

Loading shedding (0-10V dimming)
25%, 50%, 75%, and 100%

Inverter module fuse protection

Load Shedding Option

1500W High-Capacity Mini Inverter

- Allows 0-10V dimmable fixtures to be dimmed to pre-set levels in emergency mode
- Pre-set dimming levels:
  - 25%
  - 50%
  - 75%
- Can load fixtures on up to four different circuits, breakdown shown on catalog sheet

Load Shedding Option

1500W High-Capacity Mini Inverter - Circuit loading at specified dimming levels

Load shedding

Mini Inverter load	Voltage (V)	80% capacity of 1500W[1]	If emergency load-shedding illumination is set to:	Maximum standby mode load capacity (W)	Maximum capacity per circuit cannot exceed (W) standby mode	Minimum number of circuits to load Inverter to full capacity
LMIU-1500-4-LD	120	1200W	100%	1200	1200	1
		[1]20% derating is standard load safety factor	75%	1600	1600	1
			50%	2400	1600	2
			25%	4800	1600	3

Mini Inverter load	Voltage (V)	70% capacity of 1500W[2]	If emergency load-shedding illumination is set to:	Maximum standby mode load capacity (W)	Maximum capacity per circuit cannot exceed (W) standby mode	Minimum number of circuits to load Inverter to full capacity
LMIU-1500-4-LD	277	1050W	100%	1050	1050	1
		[2]30% derating is standard load safety factor	75%	1400	1400	1
			50%	2100	1600	2
			25%	4200	1600	3

LMIU-1500-4-LD fixture quantity calculation example:

- 120V Operation 80% capacity of 1500W= 1200W
- 1200W @ 100% brightness in emergency= 1200W (ex. 80W x 15 fixtures= 1200W, on min. of 1 circuit)
- 1200W dimmed in emergency to 75% brightness= 1600W (ex. 80W x 20 fixtures= 1600W, on min. of 1 circuit)
- 1200W dimmed in emergency to 50% brightness= 2400W (ex. 80W x 30 fixtures= 2400W, split across 2 circuits)
- 1200W dimmed in emergency to 25% brightness= 4800W (ex. 80W x 60 fixtures= 4800W, split across 3 circuits) (1600W maximum capacity per circuit in standby mode)

Aesthetics and Compliance

Housing and certification

1500W High-Capacity Mini Inverter

Housing

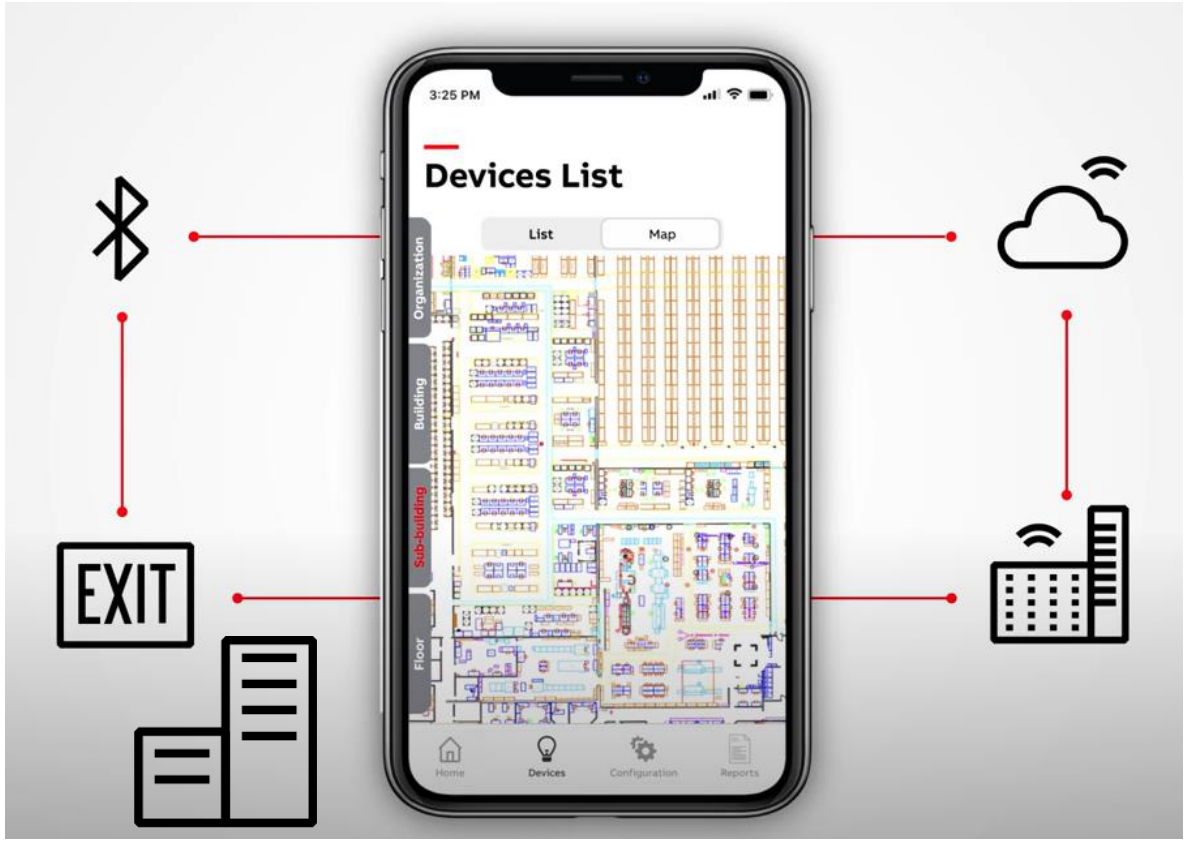
- 14 gauge steel
- White semi-gloss powder-coat paint finish
- Surface mounting

Certifications

- UL 924 Standard
- Meets or exceeds all National Electric Code and Code Emergency Lighting requirements

IoT

1500W High-Capacity Mini Inverter



Nexus®Pro compatibility with available:

LMIU-1500

Go-to-Market Strategy

1500 High-Capacity Mini Inverter

Value Proposition

1500W High-Capacity Mini Inverter

Smart

- **Advanced Diagnostics**
- Nexus®Pro
- Nexus® RF

Durability

- Durable steel housing
- High-efficiency pure sine wave inverter
- Made in Canada, meeting North America quality standards
- Enhanced circuit-overload fuse protection

Installation efficiency

- Standard lighting control override for 0-10V dimming systems
- Line voltage allows for remote mounting of the emergency fixtures at distances up to 1,000 ft
- Load shedding for lighting fixtures with 0-10V dimming

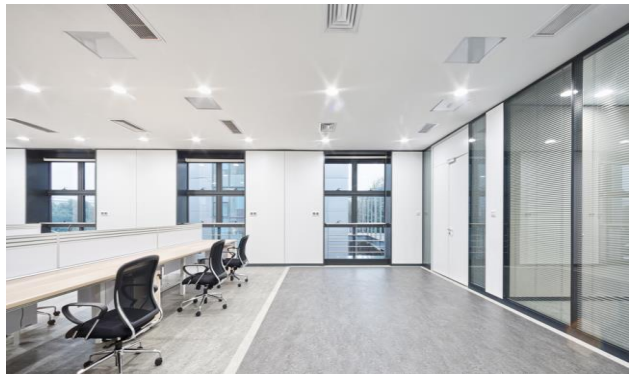
Cost-effective

- Centralized emergency lighting system
- Regular lighting fixtures can be used for emergency purposes
- Emergency dimming levels can be used to improve load capacity

Applications

Architectural, Healthcare, Hospitality, Educational, and Commercial

Offices, theatres, shopping malls, schools, and hospitals





Why choose this product?

1500W High-Capacity Mini Inverter

Contractor

- Ease of installation
- Product availability
- Field selectable load-shedding capability 25%, 50% or 75%
- Centralized emergency lighting design
- 4 output circuits options

Distributor

- Reduce lead times
- Product availability
- Ease of ordering
- Competitive pricing
- Variety of load capacities available

Engineer/Consultant

- Centralized emergency lighting design
- Reliability
- Meets standards & certifications
- Technical support
- Nexus®Pro IoT monitoring system
- Load shedding for lighting fixtures with 0-10V dimming and 4 output circuits options
- Low- to high-capacity application

End-User
(building owner, facility manager)

- Product performance
- Reliability
- Technical support
- Centralized emergency lighting design
- Compact size
- Nexus®Pro IoT monitoring system

Ordering Information

1500 High-Capacity Mini Inverter

Ordering Information

Mini Inverter 1500W

nexus Nexus®Pro

Ordering format

Series	Capacity	Voltage in/out	Diagnostic features	Circuits	Options
LMIU	**-1500**=1500W	**Blank**= 120/120VAC or 277/277VAC	**Blank=** Includes **Improved Self-Diagnostics (non-audible)**[1] **-ID**= **Improved Self-Diagnostics (audible)**[1] **-NID**= No **Improved Self-Diagnostics**[2] **-NEXRF**= Nexus® wireless[1] **-NEXP**= Nexus® Pro IoT[1]	**Blank**= 1 output circuit **-4**= 4 output circuits **-4-LD**= 4 output circuits with load shedding for 0-10V fixtures	**-D3**= Time delay (15 minutes) **-SAC**= Service alarm contact[3]

Example: LMIU-1500-4

[1]Minimum load required: 10% of unit capacity
[2]When using a transfer device (automatic load control relay) you must choose the NID option
[3]Service alarm contact (SAC) shall be provided a 24V signal, the charger board will indicate a fault by closing a contact.

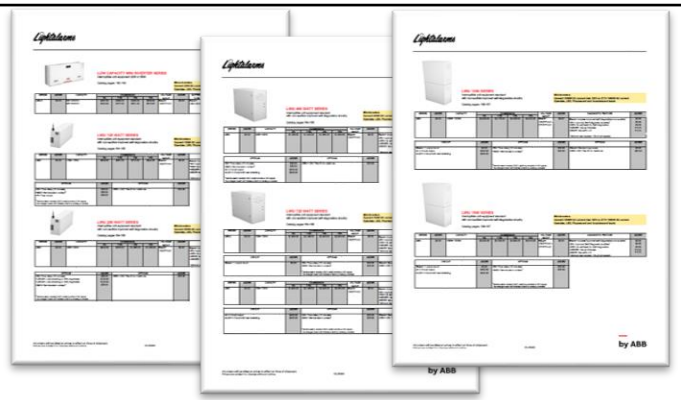
Sales Tools

1500 High-Capacity Mini Inverter

Sales Tools

Catalog sheet

Pricelist

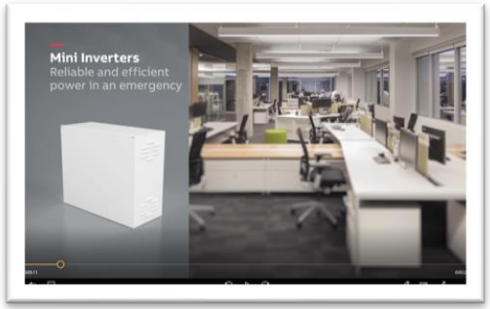


Brochure

Sales presentation

Sales page

Product video



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