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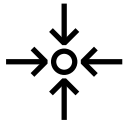
## **Emergi-Lite® 1500W High-Capacity Mini Inverter**

Interruptible unit equipment

Launch date: Q1 2023



# 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



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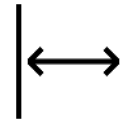
# Goals & Objectives

1500W 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

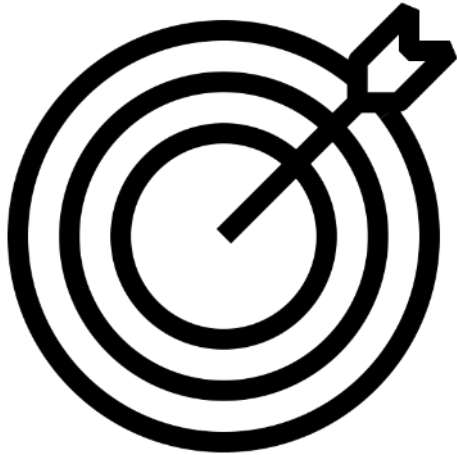
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# Goals

1500W High-Capacity Mini Inverter

## Project Targets

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

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# Product Overview

1500W High-Capacity Mini Inverter

# Technology

## 1500W High-Capacity Mini Inverter

4 output circuits

Nexus<sup>®</sup>Pro   
**nexus**



New 1500W capacity

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

Inverter module fuse  
protection

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## 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 <sup>1</sup>	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
EMIU-1500-4-LD	120	1200W  <sup>1</sup> 20% derating is standard load safety factor	100%	1200	1200	1
			75%	1600	1600	1
			50%	2400	1600	2
			25%	4800	1600	3

Mini-Inverter load	Voltage (V)	70% capacity of 1500W <sup>2</sup>	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
EMIU-1500-4-LD	277	1050W  <sup>2</sup> 30% derating is standard load safety factor	100%	1050	1050	1
			75%	1400	1400	1
			50%	2100	1600	2
			25%	4200	1600	3

### EMIU-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)

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# Aesthetics and Compliance

Housing and certification

## 1500W High-Capacity Mini Inverter

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## Housing

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

## Certifications

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- 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:  
**EMIU-1500**

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# Go-to-Market Strategy

1500W High-Capacity Mini Inverter

# Value Proposition

## 1500W High-Capacity Mini Inverter

Smart	Durability	Installation efficiency	Cost-effective
<ul style="list-style-type: none"><li>▪ <b>Advanced Diagnostics</b></li><li>▪ Nexus®Pro</li><li>▪ Nexus® RF</li></ul>	<ul style="list-style-type: none"><li>▪ Durable steel housing</li><li>▪ High-efficiency pure sine wave inverter</li><li>▪ Made in Canada, meeting North American quality standards</li><li>▪ Enhanced circuit-overload fuse protection</li></ul>	<ul style="list-style-type: none"><li>▪ Standard lighting control override for 0-10V dimming systems</li><li>▪ Line voltage allows for remote mounting of the emergency fixtures at distances up to 1,000 ft</li><li>▪ Load shedding for lighting fixtures with 0-10V dimming</li></ul>	<ul style="list-style-type: none"><li>▪ Centralized emergency lighting system</li><li>▪ Regular lighting fixtures can be used for emergency purposes</li><li>▪ Emergency dimming levels can be used to improve load capacity</li></ul>

# Applications

Architectural, Healthcare, Hospitality, Educational, and Commercial

Offices, theatres, shopping malls, schools, and hospitals

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# 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
- Nexus®Pro IoT monitoring system

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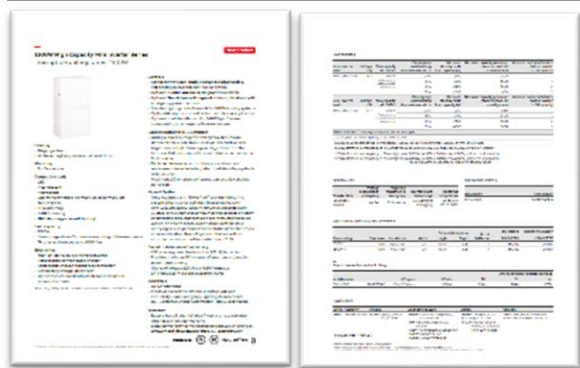
# Sales Tools

1500W High-Capacity Mini Inverter

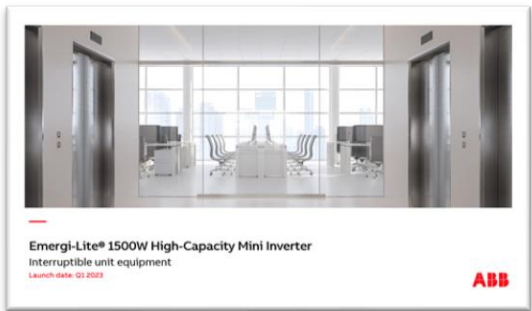


# Sales Tools

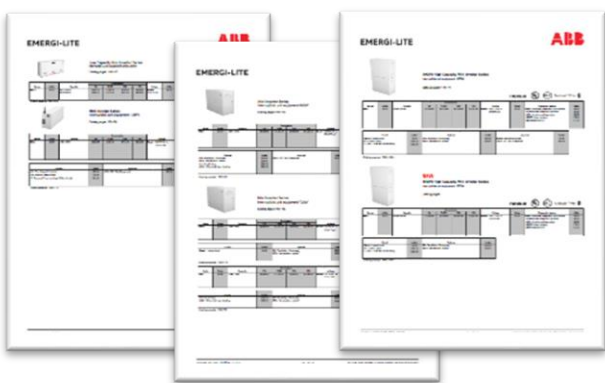
## Catalog sheet



## Sales presentation



## Price list



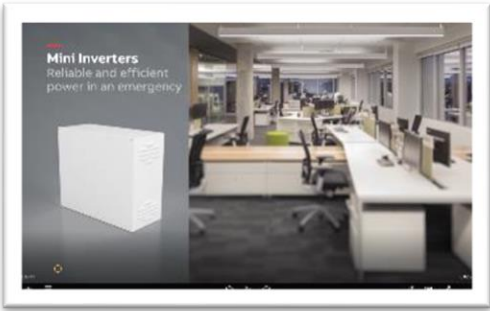
## Sales page



## Brochure



## Product video



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# Ordering Information

1500W High-Capacity Mini Inverter

# Ordering Information

## Mini Inverter 1500W



nexus   Nexus®Pro 

### How to order

Series	Capacity	Voltage	Diagnostic features	Circuits	Options
EMIU	-1500= 1500W	Blank= 120/120VAC or 277/277VAC	-Blank= Advanced Diagnostics, non-audible <sup>1</sup> -AD= Advanced Diagnostics, audible <sup>1</sup> -NAD= No Advanced Diagnostics <sup>2</sup> -NEXP= Nexus®Pro IoT <sup>1</sup> -NEXRF= Nexus® wireless <sup>1</sup>	-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 <sup>3</sup>

Example: EMIU-1500-4

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

**ABB**