



## **Illuminator Hypernova Three Phase Systems**

# WHY MYERS EPS ILLUMINATOR HYPERNOVA?

Myers Emergency Power Systems (EPS) has a long history of engineering and manufacturing the highest quality and most reliable backup power solutions in the industry. Myers EPS' inverters provide emergency lighting and illuminate the path of egress during critical outages.



## Advanced Technology

Designed with Myers EPS' advanced Pure Sine Wave technology, the Illuminator Hypernova provides direct AC power and full illumination to all lighting sources. With industry-leading efficiencies, they run cool and reduce the overall operating costs of emergency lighting systems.



## Industry Leading Compact Footprint

Designed with Industry Leading Compact Footprint, the Illuminator Hypernova allows building owners to comply with emergency lighting codes without sacrificing valuable floor-space. Featuring a NEMA Type 1 space-saving design these inverters fit easily into electrical rooms where floor space is limited!




## AVAILABLE WITH INVERTER.CoNECT

Myers EPS IoT Inverter Connect is a cloud-based platform that allows users to monitor and receive alerts about their emergency lighting inverter systems. IoT Inverter Connect streamlines system communications and sends users notifications on their computers, tablets or smartphone devices. The web-based platform allows any device that connects to the internet to log in to the system.


### Enhances Building Safety

-  Proactively monitors & notifies of critical issues that could affect building safety.
-  Proactive maintenance solidifies confidence that the lights will illuminate during an emergency.


### Connectivity

-  Receive status and alarm notifications by SMS and/or email.
-  See the results of your inverters' periodic self-tests. View detailed real-time inverter telemetry.
-  Accessible from any device connected to the internet.

### Saves Times

-  User-friendly design makes it easy to find the most crucial information quickly.
-  Easy-to-use dashboard enables a status check of a fleet of inverters from anywhere.

### Future-Ready Design

-  Software is adaptable to meet the demands of future technological advances.





# SPECIFICATIONS

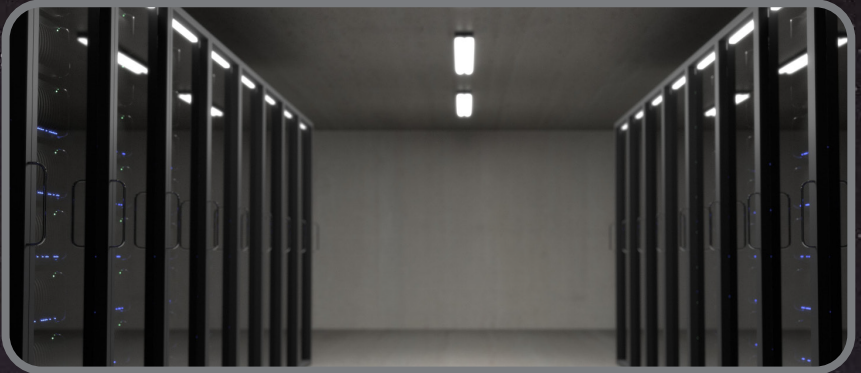


ILLUMINATOR HYPERNOVA SERIES											
POWER RATING	G-05	G-07	G-10	G-12 (STANDARD)	G-12 (CUSTOM)	G-16 (STANDARD)	G-16 (CUSTOM)	G-25	G-33	G-37	G-50
DIMENSIONS	41.5 x 62 x 25			53 x 77 x 25	58 x 62 x 25	53 x 77 x 25	58 x 62 x 25	83 x 77 x 25		106 x 77 x 25	
TOTAL SYSTEM WEIGHT	1,730	1,970	2,315	2,815	3,040	3,415	3,440	5,900	6,700	8,485	9,685
INPUT	INPUT VOLTAGE	20/208 or 277/480Vac 3-phase 4-wire +10% -15%.									
	INPUT FREQUENCY	60Hz, +/- 3%, 50Hz Available upon request									
	SYNCHRONIZING SLEW RATE	1Hz per second nominal									
	LOAD POWER FACTOR	.5 Lag to .5 lead									
	VOLTAGE HARMONIC DISTORTION	< 10% (For Resistive Load)									
OUTPUT	OUTPUT VOLTAGE	120/208 or 277/480Vac 3-phase 4-wire.									
	STATIC VOLTAGE	Load current change +/-4%, battery discharge +/-4%									
	DYNAMIC VOLTAGE	+/- 3% for +/-25% load step change, +/-6% for a 50% load step change, recovery within 3 cycles									
	HARMONIC DISTORTION	< 3% THD for linear load									
	OUTPUT FREQUENCY	60Hz +/- .05Hz during emergency mode									
	LOAD POWER FACTOR	.5 Lag to .5 lead									
	INVERTER OVERLOAD	115% continuous rating; 150% for 2.5 seconds; 250% for 3 line cycles									
BATTERY	PROTECTION	Optional Distribution Circuit Breakers; Fuse									
	BATTERY TYPE	Valve-regulated sealed lead-calcium. Contact factory for additional battery types									
	CHARGER	Microcontroller two stage charger (recharge - 24HR)									
	PROTECTION	Automatic low-battery disconnect; automatic restart upon utility return.									
	DISCONNECT	Fuse- and-Fuse / Circuit Breaker above 24KVA									
ENVIRONMENTAL	RUN TIME (90 MINUTES STANDARD)	120 Minutes									
	ALTITUDE	e < 10,000 feet (above sea level) without derating									
	OPERATING TEMPERATURE	Inverter: 0°C to 40°C (32°F to 104°F) Battery: 20°C to 30°C (68°F to 86°F) per UL 924									
	STORAGE TEMPERATURE	-20 to 70 degrees Celsius (electronics only)									
	RELATIVE HUMIDITY	< 95% (non-condensing)									
GENERAL	DESIGN	Stand-By UPS. PWM inverter type utilizing IGBT technology with 2mS transfer time									
	GENERAL INPUT	Compatible with generators (10x unit size or larger)									
	CONTROL PANEL	1 Microcontroller 2 x 20-character Display with touch pad controls & functions 5 LED indicators & alarm with status indicator									
	METERING	Input & Output Voltage, Battery Voltage, Battery & Output Current, Output VA, Temperature, Inverter Wattage									
	ALARMS	s High/Low Battery Charger Fault, Near Low Battery, Low Battery, Load Reduction Fault, Output Overload, High/Low AC Input Volts, High Ambient Temperature, Inverter Fault, Output Fault, Optional Circuit Breaker Trip									
	COMMUNICATIONS	RS-232 port (DB9)									
	MANUAL MAINTENANCE BYPASS	Standard									
	ALARM CONTACTS	Optional Summary Form "C" Contacts									
	WARRANTY	1 year standard warranty includes all parts, labor, & travel expenses within 48 contiguous states. Up to 10 years prorated warranty on batteries. Extended warranties, preventative maintenance and customized service plans are available									
	FACTORY START-UP	Purchase factory start-up & receive 1 additional year of warranty.									
PHYSICAL	5 YEAR SERVICE PLAN	Purchase 5 year service plan & receive free factory start-up.									
	CABINET	Freestanding NEMA Type 1									
	COOLING	Forced Air, during emergency mode.									
	CABLE ENTRY	Top or Side									
	ACCESS	Front									

Specifications and dimensions are subject to change without notice.  
Please contact your local Myers EPS representative for the most up-to-date information and product application support.

# APPLICATIONS

- 911 Facilities
- Airports
- Apartment / Condominium Complexes
- Assisted Living Centers & Nursing Homes
- Banks & Financial Institutions
- Casinos
- Government Buildings & Data Centers
- Grocery Stores / Home Center Stores
- Hospitals
- Hotels / Motels
- Industrial & Commercial Spaces
- Medical & Other Office Buildings
- Military Complexes
- Theaters
- Parking Garages
- Prisons
- Race Tracks
- Transit Stations
- Religious Facilities
- Restaurants
- Retail Department Stores & Malls
- Schools, Colleges & Day Care Centers
- Sports Facilities
- Storm Shelters
- Toll Booths, Tunnels & Bridges
- Many More!



**MYERS**  
EMERGENCY POWER SYSTEMS

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