



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0895

HCAI Special Seismic Certification Preapproval (OSP)

Type: ☒ New ☐ Renewal

Manufacturer Information

Manufacturer: Myers Emergency & Power Systems

Manufacturer's Technical Representative: Kevin Wolverton

Mailing Address: 44 South Commercial Way, Bethlehem, PA 18017

Telephone: (610) 868-3500

Email: Kevin.Wolverton@myerseps.com

Product Information

Product Name: Illuminator Hypernova G Series

Product Model Number(s): 5 kVA – 50 kVA , See Attachment

Product Category: UPS and Batteries

Product Sub-Category: Lighting Inverter Systems

General Description: Emergency Lighting Inverter System

Mounting Description: Base Mounted Rigid

Tested Seismic Enhancements: Seismic enhancements made to the test units and/or modifications required to address anomalies during the tests shall be incorporated into the production units.

Applicant Information

Applicant Company Name: Junker Gonzalez Engineering Group

Contact Person: Dan Junker

Mailing Address: 8285 La Mesa Blvd, Suite C, La Mesa, CA 91942

Telephone: (619) 606-5058

Email: djunker@junkergonzalez.com

Title: Structural Engineer



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California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)

Company Name: JUNKER GONZALEZ ENGINEERING GROUP

Name: Dan Junker

California License Number: S6178

Mailing Address: 8285 La Mesa Blvd., Suite C, La Mesa, CA 91942

Telephone: (619) 606-5058

Email: designgroup@junkergonzalez.com

Certification Method

☐ GR-63-Core

☒ ICC-ES AC156

☐ IEEE 344

☐ IEEE 693

☐ NEBS 3

☐ Other (Please Specify): _____

Testing Laboratory

Company Name: CLARK TESTING LABORATORY, INC.

Contact Person: Devon Lohr

Mailing Address: 1801 Route 51, Jefferson Hills PA 15025

Telephone: (412) 387-1001

Email: dlohr@clarktesting.com

BY: Mohammad Karim

DATE: 09/03/2026



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Seismic Parameters

Certified Response Spectral Acceleration Factors: (F_p/W_p)

Horizontal (A Flx-H), $g =$ 3.20 (A Rig-H), $g =$ 2.15

Vertical (A Flx-V), $g =$ 1.67 (A Rig-V), $g =$ 0.67

SDS (Design spectral response acceleration at short period, g) = 2.50 @ $z/h=0$; 2.00 @ $z/h=1$

H_f (Force amplification height factor) = 1 @ $z/h=0$; 3.5 @ $z/h=1$

R_u (Structure ductility reduction factor) = 1 @ $z/h=0$; 1.3 @ $z/h=1$

I_p (Importance factor) = 1.5

z/h (Height ratio factor) = 0 and 1

HCAI Approval (For Office Use Only) - Approval Expires on 09/03/2032

Date: 9/3/2026

Name: Mohammad Karim

Title: Supervisor, Health Facilities

Condition of Approval (if applicable): _____

OSP-0895

BY: Mohammad Karim

DATE: 09/03/2026

SPECIAL SEISMIC CERTIFICATION UNIT UNDER TEST (UUT) DESCRIPTION

UUT 1

Manufacturer: Myers Emergency & Power Systems.
Model Line: Illuminator Hypernova G Series 5 kVA – 50 kVA
Model Number: Test Prototype: ZGH10S-999, Serial No.: ENG600
Description: 10 KVA UPS
Product Function: Emergency Lighting Inverter System

Construction Summary:

14 GA. Mild steel Inverter Enclosure & 11 GA. Mild Steel Battery Enclosure with fillet weld connections. Certified component construction shall be identical to construction of UUT's.

Options Summary:

Inverter Cabinet: Myers CA-203883, CA-204175, **Battery Cabinet:** Myers CA-204180, **Transformer:** Myers XF-FM115897, **Optional Transformer:** Myers XF-IS110926, **AC Sub-Assembly:** Myers 113751, Little Fuse V321DA40, Sanrex PK Series, Precision Graphics 403674, Bussman FWH Series, D6 Industries 202867, Kraus & Naimer C80-6US6900-600E, Shneider Electric B Frame, **Battery:** East Penn 12AVR150ET, Ritar FT12-150, **Fuse Holder:** Little Fuse CYH, **Fuse:** Little Fuse LA70QS, **DC Sub-Assembly:** Precision Graphics 405558, 403569, D6 Industries 203135, Mitsubishi CM Series, Cornell Dubilier Type DCMC, Mechatronics UF12A12, Carling Technologies CX1, LEM HAS 100-S, **BTM:** Precision Graphics 404394, 403434, 403391, Mechatronics UF80B12, **C:** Precision Graphics 403833, **O:** Precision Graphics 403875, **Communication:** Precision Graphics 404306, MSA FPC Protonode **Output Circuit Breaker:** Schneider Electric Multi 9, ABB S Series, LS Electric BK Series, CB Electric Q Series, **I:** Deltrol 275 Series, **S:** Weiland Terminal Block; All other subcomponents inclusive to above assembly model numbers.

Test Parameters:

Building Code: CBC 2025
Component Importance Factor: $I_p = 1.5$
Test Criteria: ICC-ES AC 156-24
Test Facility: Clark Dynamic Test Lab
Report Number: JID 25-01325-TR Rev.2
Test Date: 9/25/25
Test Facility UUT Number: EUT1

Mounting Summary:

Rigid floor mounted. Fastened to shake table plate using five (5) $\frac{3}{4}$ "-10 SAE grade 5 hex head bolts with washers and lock washers torques to 150 ft/lbs.

Notes:

Contents were included in testing per operating conditions.

UUT Image



UUT Properties

Dimensions (in)			Weight (lbs.)	Min. First Natural Frequency (Hz)		
Length	Width	Height		F-B	S-S	Vert
41.0	25.0	69.0	2,258	13.7	18.4	N/A

Unit maintained structural integrity and remained operational

per manufacturer requirement when subjected to the following test parameters

S_{DS} (g)	z/h	R_{μ}	H_f	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
2.0, 2.5	1.0, 0	1.3, 1.0	3.5, 1.0	3.20	2.15	1.67	0.67

SPECIAL SEISMIC CERTIFICATION UNIT UNDER TEST (UUT) DESCRIPTION

Manufacturer: Myers Emergency & Power Systems.
Model Line: Illuminator Hypernova G Series 5 kVA – 50 kVA
Model Number: Test Prototype: 2GH50S-999, Serial No.: ENG601
Description: 50 KVA UPS
Product Function: Emergency Lighting Inverter System

UUT 2

Construction Summary:

14 GA. Mild steel Inverter Enclosure & 11 GA. Mild Steel Battery Enclosure with fillet weld connections. Certified component construction shall be identical to construction of UUT's.

Options Summary:

Inverter Cabinet: Myers CA-204183, **Battery Cabinet:** Myers CA-204181, **Transformer:** Myers XF-FM113808, **AC Sub-Assembly:** Myers 11375, Little Fuse V321DA40, Sanrex PK Series, Precision Graphics 403674, Bussman FWH Series, D6 Industries 203091, Kraus & Naimer C80-6US6900-600E, Square D Q Frame, Schneider Electric B Frame, **Battery:** East Penn 12AVR100ET, Ritar RA12-105F, RA12-180F, **Fuse Holder:** Little Fuse CYH, **Fuse:** Little Fuse LA70QS, **DC Sub-Assembly:** Precision Graphics 405558, 403569, D6 Industries 203855, Mitsubishi CM Series, Cornell Dubilier Type DCMC, NMB Technologies 5915PC, Schneider Electric H Frame, LEM HAS 400-S, **BTM:** Precision Graphics 404394, 403434, 403391, **C:** Precision Graphics 403833, Mechatronics UF80B12, **O:** Precision Graphics 403875, **Communication:** Precision Graphics 404306, Control Solutions BB2 Gateway, **Output Circuit Breaker:** Schneider Electric Multi 9, ABB S Series, LS Electric BK Series, CB Electric Q Series, I: Deltrol 275 Series, **S:** Weiland Terminal Block; All other subcomponents inclusive to above assembly model numbers.

Test Parameters:

Building Code: CBC 2025
Component Importance Factor: $I_p = 1.5$
Test Criteria: ICC-ES AC 156-24
Test Facility: Clark Dynamic Test Lab
Report Number: JID 25-01325-TR Rev.2
Test Date: 9/25/25 – 9/26/25, 12/3/25
Test Facility UUT Number: EUT2B

Mounting Summary:

Rigid floor mounted. Fastened to shake table plate using eight (6) $\frac{3}{4}$ "-10 SAE grade 5 hex bolts torqued to 150 ft/lbs and ten (10) $\frac{5}{8}$ "-11 grade 5 hex head bolts torqued to 90 ft/lbs.

Notes:

Contents were included in testing per operating conditions.

UUT Image



UUT Properties

Dimensions (in)			Weight (lbs.)	Min. First Natural Frequency (Hz)		
Length	Width	Height		F-B	S-S	Vert
105.5	25.25	77.0	9,815	18.4	20.6	26.58

Unit maintained structural integrity and remained operational

per manufacturer requirement when subjected to the following test parameters

S_{DS} (g)	z/h	R_{μ}	H_f	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
2.0, 2.5	1.0, 0	1.3, 1.0	3.5, 1.0	3.20	2.15	1.67	0.67

SPECIAL SEISMIC CERTIFICATION UNIT UNDER TEST (UUT) DESCRIPTION

Model Number Nomenclature Reference

ILLUMINATOR HYPERNOVA Emergency Lighting Inverter Three Phase Systems 5kVA/kW to 60kVA/kW



ORDERING GUIDE

EXAMPLE MODEL # 1-G-05-S-BA2007-T-2YW

VOLTAGE INPUT/OUTPUT¹
1 - 120/208^{3W}
2 - 277/480
Z - Other Voltages (may require UL testing)¹⁰

SYSTEM TYPE
G - Illuminator Hypernova Inverter System

KVA / KW²
05 - 5.0
07 - 7.5
10 - 10.0
12 - 12.5
16 - 16.7
25 - 25.0
33 - 33.2
37 - 37.5
50 - 50.0
60 - 60.0

BATTERY TYPE
S - Standard 10YR Warranty Battery
S15 - 15YR Warranty Battery
S20 - 20YR Warranty Battery

RUNTIME³
(BLANK) - 90 Minutes
R120 - 120 Minutes⁴

OUTPUT BREAKERS⁵
EXAMPLE: B A 20 07
B - Normally On
N - Normally Off
VOLTAGE, POLE
A - 120/1-Pole*
B - 208/3-Pole*
C - 240/2-Pole*
D - 277/1-Pole
E - 120/208/3-Pole*
F - 277/480/3-Pole
G - 480/2-Pole
Z - Other (Contact Factory)

QUANTITY⁵
See Note 5
10, 16, 20, 25, 32, 40, 50, 63

AMPS RATING⁶
(Distribution Breakers)

OPTIONS
A - Remote Summary Alarm Panel with one indicator light (Not available with "C" option)
BCF - Battery Cabinet Fan (Included when ordering BTM)
BL - Circuit Breaker Locking Mechanism
BTM - Battery Temperature Monitor (Includes BCF)
C - Status Monitoring Dry Form C Contacts
F - Fast Charge
I - Inverter on Dry Form C Contact
O - Output Transfer Delay (Factory Set at 3 Seconds, Adjustable 0 to 7.5 Seconds)
P - Remote Status Panel (Status Alarm/Alarm Silence Switch) (Requires C Option)
S - Summary Fault Dry Form C Contacts
T - Output Trip (Supervised) Alarm*
Z - Seismic Mounting*

PICK LIST
BAC - BACnet
BIP - BACnet IP
IOT - IOT Inverter Connect Cloud Communications
MIP - Modbus TCP/IP
MOD - Modbus RTU
R - Remote Meter Panel (Standard 100FT Cable)
SEA - Serial to Ethernet Adapter

WARRANTY⁷
2YW - Start, Up & Same Day Training (Increases Standard 1 Year Electronics Warranty to 2 years)
2YWT - Start, Up, Same Day Training and Full Run Test (Increases Standard 1 Year Electronics Warranty to 2 years)
5YP - 5-Year Maintenance Plan
5YW - 5-Year Extended Electronics Warranty (Includes 3 years of Extended Electronics Warranty when combined with 2YW)
TR - Training (If Required on Day Other Than Start Up)

ACCESSORIES
DT - Drip Top (NEMA 2)
EMBP - External Maintenance Bypass Switch**
SPARES - Spare Parts Kit
SPAREF - Spare Fuses

A) With External Maintenance Bypass Switch, only main output breaker is available.

FOOTNOTES
1. Standard input voltage is 4-Wire Wye, 3-Wire Delta. Input requires external isolation transformer.
2. KVA = KW
3. Standard battery run time is 90 minutes.
4. Please contact the factory. Additional runtime, including 120 minute may affect the system's dimensions.
5. Maximum output breakers available:
- 5K-10K - 1 Internal (3-pole); 30 (1-pole) unsupervised or 20 supervised (1-pole) with the addition of a top mount enclosure.
- 12.5K & 16.7K - 12 (1-pole) unsupervised or 8 (1-pole) supervised and with the addition of a top mount enclosure, an additional 30 (1-pole) unsupervised or 20 (1-pole) supervised.
- 25K-60K - 24 (1-pole) unsupervised or 16 (1-pole) supervised and with an extra tray an additional 14 (1-pole) unsupervised or 12 (1-pole) supervised.
Combinations of 1, 2, and 3 pole breakers available (contact factory).
6. Higher AMP ratings available - contact factory.
7. One year warranty is standard.
8. Maintenance bypass switch is a "make before break".
9. Anchorage based on calculations - will increase system width. For systems requiring OSHPD/Withstand testing, please see CRF-H.
10. 277/480V standard for 60kVA. Contact factory for other voltages.
11. Not available on 60kVA.

DIMENSIONS (90 MINUTE RUN SYSTEMS)⁴

Alternate runtimes may affect cabinet size - contact factory.

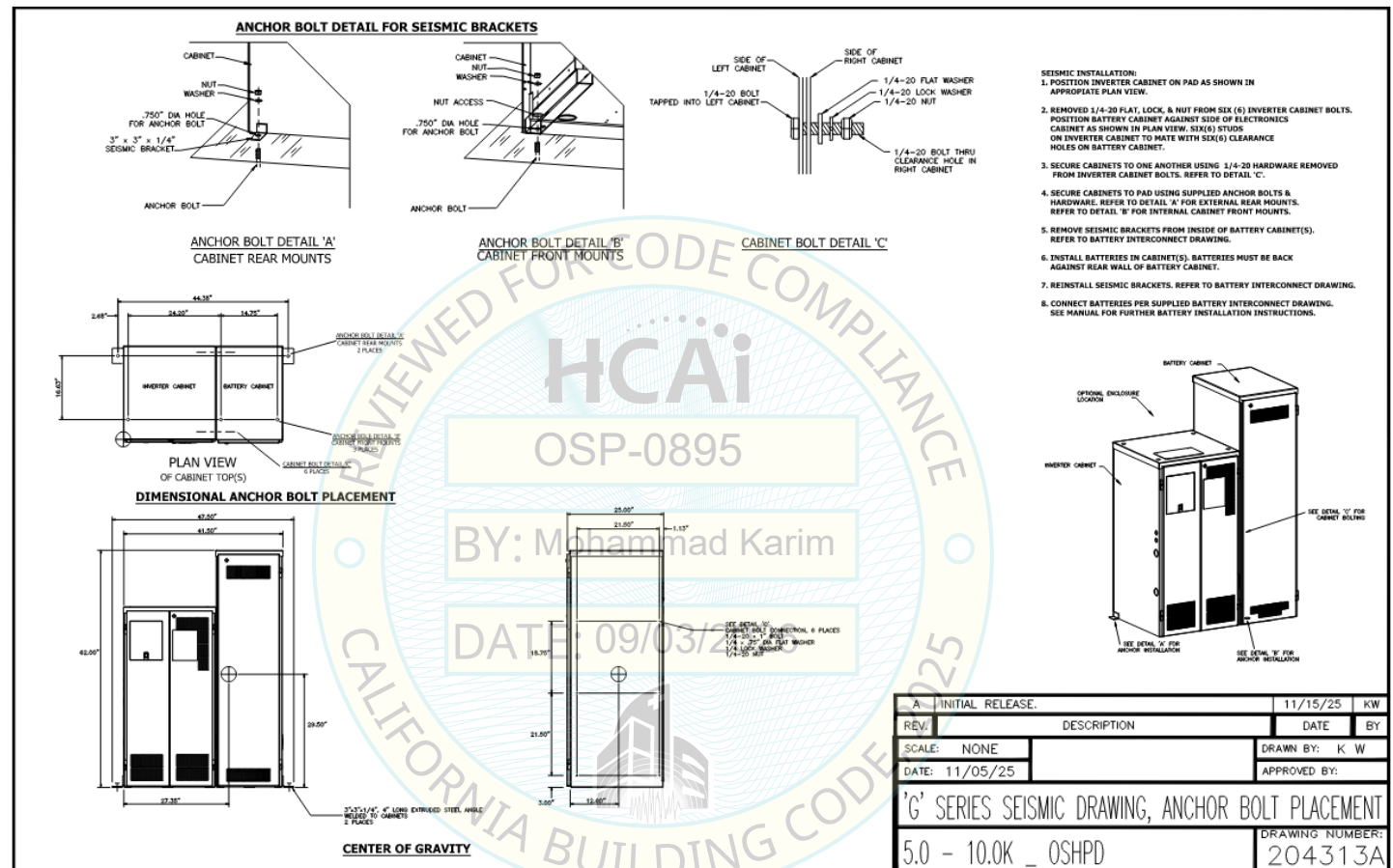
Partial Model Number	Power Rating (kVA / kW)	Heat Loss (BTU)	Electronics Module				Batteries 90 Minutes @ Full Load				Total System				
			Cabinet Dimensions				Voltage (VDC)	Current (Amps)	QTY	Battery Cabinet Dimensions			Number of Batteries	Dimensions W X H X D (in)	Weight (lbs)
			Width (in / cm)	Height (in / cm)	Depth (in / cm)	Weight (lbs)				Width (in / cm)	Height (in / cm)	Depth (in / cm)			
G-05	5.0	341	24 / 61	47 / 119	25 / 64	485	144	41	1	17.5 / 44.5	62 / 157.5	25 / 64	12	41.5 x 62 x 25	1,730
G-07	7.5	512	24 / 61	47 / 119	25 / 64	485	144	61	1	17.5 / 44.5	62 / 157.5	25 / 64	12	41.5 x 62 x 25	1,970
G-10	10.0	682	24 / 61	47 / 119	25 / 64	590	144	81	1	17.5 / 44.5	62 / 157.5	25 / 64	12	41.5 x 62 x 25	2,315
G-1															

SPECIAL SEISMIC CERTIFICATION UNIT UNDER TEST (UUT) DESCRIPTION

Seismic Kit Detail

UUT 1

Manufacturer:	Myers Emergency & Power Systems.
Model Line:	Illuminator Hypernova G Series 5 kVA – 10 kVA



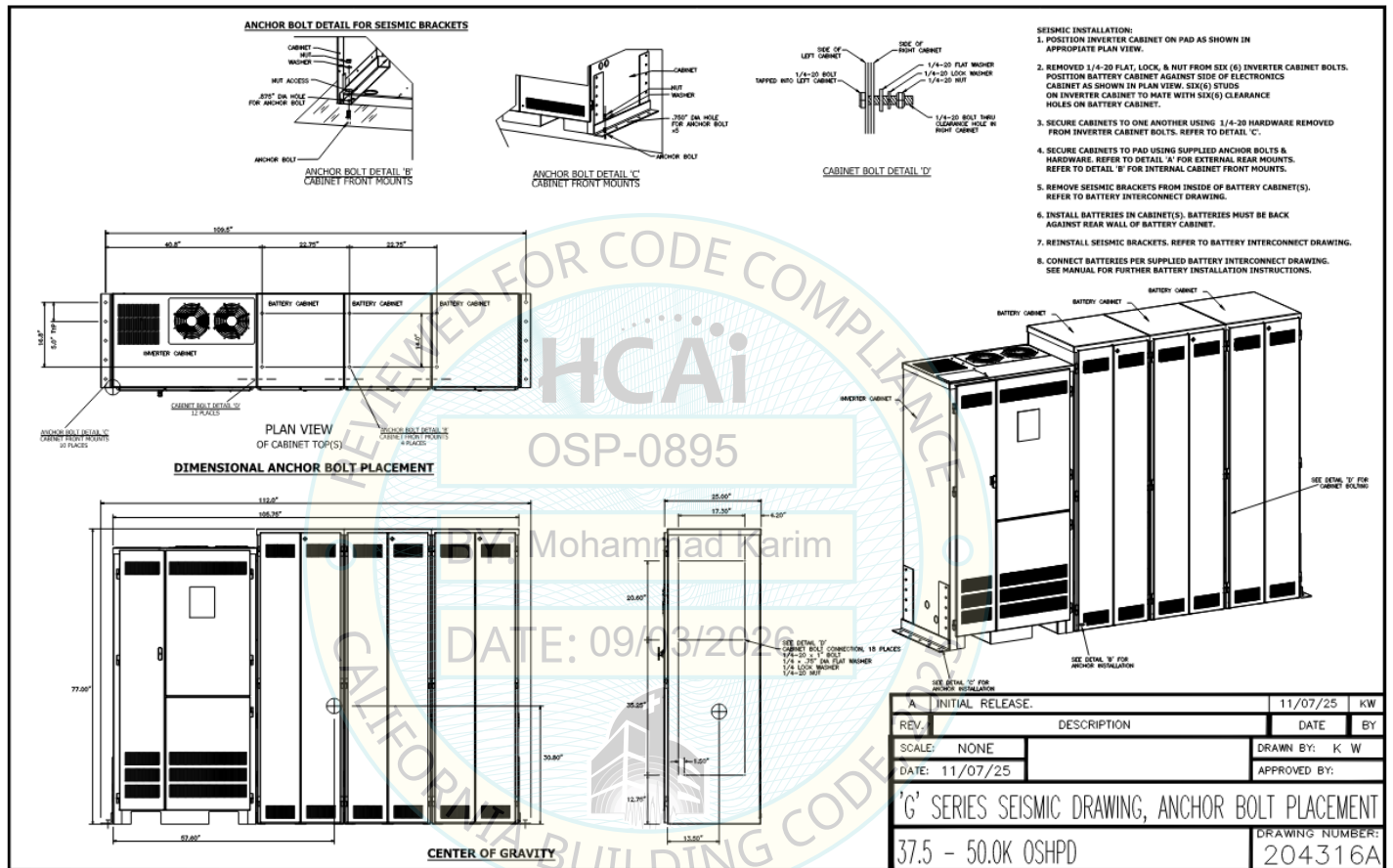
Note: Seismic brackets are used in UUT 1. All certified units are required to have the above kit installed.

SPECIAL SEISMIC CERTIFICATION UNIT UNDER TEST (UUT) DESCRIPTION

Seismic Kit Detail

UUT 2

Manufacturer:	Myers Emergency & Power Systems.
Model Line:	Illuminator Hypernova G Series 37.5 kVA – 50 kVA



Note: Seismic brackets are used in UUT 2. All certified units are required to have the above kit installed.