



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-0588

HCAI Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: SOCOMEK

Manufacturer's Technical Representative: Bruno Plisson

Mailing Address: 9 Galen Street Suite 120, WATERTOWN, MA 02472

Telephone: (617) 245-0447

Email: bruno.plisson@socomec.com

Product Information

Product Name: Modulys GP - Green Power 2

Product Model Number(s): See Attached

Product Category: UPS and Batteries

Product Sub-Category: UPS

General Description: Three phase UPS system consisting of UPS and battery cabinets.

Mounting Description: Rigid floor mounted with seismic installation kit, see attachment

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: W.E. Gundy & Associates, Inc.

Contact Person: Travis Soppe

Mailing Address: 250 S 5th Street, Suite 510, Boise, ID 83702

Telephone: (208) 342-5989

Email: tsoppe@wegai.com

Title: President



**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
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California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)

Company Name: W.E. GUNDY & ASSOCIATES INC.

Name: Travis Soppe California License Number: S6115

Mailing Address: P.O. Box 9121, Boise, ID 83707

Telephone: (208) 342-5989 Email: tsoppe@wegai.com

Certification Method

- GR-63-Core
- ICC-ES AC156
- IEEE 344
- IEEE 693
- NEBS 3
- Other (Please Specify): _____

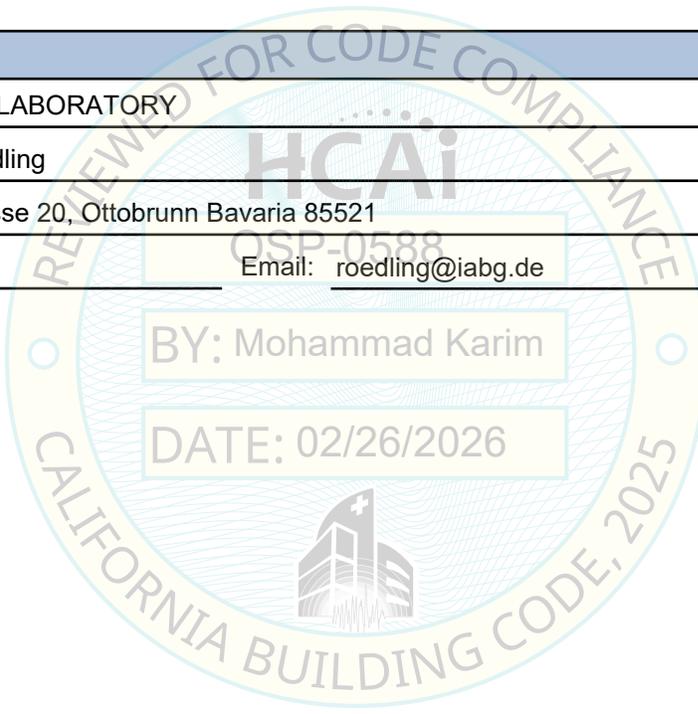
Testing Laboratory

Company Name: IABG TEST LABORATORY

Contact Person: Steffen Roedling

Mailing Address: Einsteinstrasse 20, Ottobrunn Bavaria 85521

Telephone: (49896) 088-2052 Email: roedling@iabg.de





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Seismic Parameters

Certified Response Spectral Acceleration Factors:(F_p/W_p)

Horizontal	(A Flx-H), g=	<u>3.20</u>	(A Rig-H), g=	<u>2.15</u>
Vertical	(A Flx-V), g=	<u>1.68</u>	(A Rig-V), g=	<u>0.68</u>

SDS (Design spectral response acceleration at short period, g) = 2.50 @ z/h=0; 2.0 @ z/h=1

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

Ru (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 02/26/2032

Date: 2/26/2026

Name: Mohammad Karim Title: Supervisor, Health Facilities

Condition of Approval (if applicable): OSP-0588

BY: Mohammad Karim

DATE: 02/26/2026

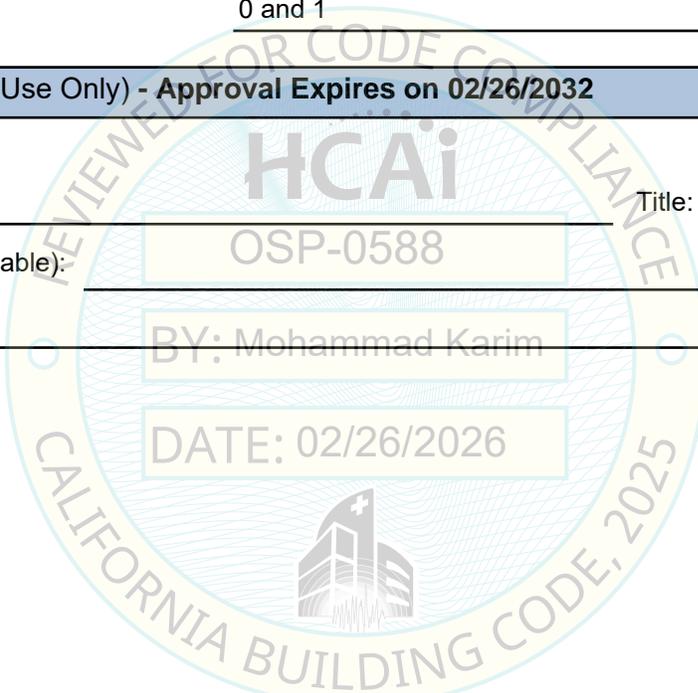


TABLE 1

**SOCOMEK MODULYS GP - GREEN POWER 2.0
SEISMIC CERTIFICATION PRODUCT LINE MATRIX**



UPS CABINET: $S_{DS} = 2.5$ at $z/h = 0$ and $S_{DS} = 2.0$ at $z/h = 1.0$

¹ UPS Cabinet	Power (kW)	Power Modules	Battery Modules	² Dimensions (in)			³ Weight (lb)		UUT
				Width	Length	Height	min	max	
M4-S-100-HCA0 (-A) + P1	25	1	0	23.6	35.0	78.3	1050	1410	extrapolated
M4-S-100-HCA0 (-A) + P2	50	2	0	23.6	35.0	78.3	1120	1485	extrapolated
M4-S-100-HCA0 (-A) + P3	75	3	0	23.6	35.0	78.3	1190	1560	extrapolated
M4-S-100-HCA0 (-A) + P3	75	3	0	23.6	35.0	78.3	1560		UUT-1
M4-S-100-HCA0 (-A) + P4	100	4	0	23.6	35.0	78.3	1270	1650	interpolated
M4-S-100-HCA0 (-A) + P5	100	5	0	23.6	35.0	78.3	1340	1725	interpolated
M4-S-040-HCA0 (-A) + P1 + B0 to B3	25	1	0 to 3	23.6	35.0	78.3	1425	2085	interpolated
M4-S-040-HCA0 (-A) + P3 + B0 to B2	40	3	0 to 2	23.6	35.0	78.3	1575	2015	interpolated
M4-S-040-HCA0 (-A) + P2 + B0 to B3	40	2	0 to 3	23.6	35.0	78.3	1500	2160	interpolated
M4-S-040-HCA0 (-A) + P2 + B3	40	2	3	23.6	35.0	78.3	2160		UUT-2

BATTERY CABINET: $S_{DS} = 2.5$ at $z/h = 0$ and $S_{DS} = 2.0$ at $z/h = 1.0$

¹ Battery Cabinet	Amp Hour Rating	Battery Modules	² Dimensions (in)			³ Weight (lb)	UUT
			Width	Length	Height		
M4-BH-03S-009VU	27	3	31.9	37.4	78.3	1975	UUT-3
M4-BH-04S-009VU	36	4	31.9	37.4	78.3	2275	interpolated
M4-BH-05S-009VU	45	5	31.9	37.4	78.3	2570	interpolated
M4-BH-06S-009VU	54	6	31.9	37.4	78.3	2865	interpolated
M4-BH-07S-009VU	63	7	31.9	37.4	78.3	3165	interpolated
M4-BH-08S-009VU	72	8	31.9	37.4	78.3	3460	UUT-4

Notes:

¹ All components are manufactured by SOCOMEK INC. The part numbers listed uniquely identify the type of component, manufacturer, and material of construction for each sub-component within the tested units. UPS Cabinet Codes use 'P' to indicate number of M4-PI-UL25(+CH) power modules and 'B' to indicate number of M4-BM-005VU battery modules.

² Enclosures are constructed of carbon steel

³ Weight includes weight of UPS / power & battery cabinet, internal sub-components, and seismic installation kit.

⁴ UPS cabinets and battery cabinets are rigid floor mounted.

Subcomponent	Description	Manufacturer	Dimensions (in)			Weight (lb)	Representative UUT
			Width	Length	Height		
			TABLE 2				
SOCOMEK MODULYS GP - GREEN POWER 2.0 CERTIFIED SUBCOMPONENTS MATRICES							
							
¹Signaling Box							
U4-HC-LED-RGB	Signaling Box	SOCOMEK	7.5	3.5	10.0	6	UUT-5
Power and Battery Modules							
M4-PI-UL25	Power module	SOCOMEK	19.0	29.2	5.1	75	UUT-1
M4-PI-UL25+CH	Power module with battery charger	SOCOMEK	19.0	29.2	5.1	75	UUT-2
M4-BM-005VU	Battery module	SOCOMEK	19.0	29.2	5.1	220	UUT-2
Hot-swap Bypass							
M4-PI-SBPUL	Hot-swap bypass switch	SOCOMEK	10.6	28.5	7.8	55	UUT-1 / 2
Transformers							
100kVA - 415/480V	Dry-type transformer, copper	POWER EUROPE SrL	9.8	16.5	17.3	187	UUT-1
100kVA - 480/415V	Dry-type transformer, copper	POWER EUROPE SrL	9.1	16.5	18.9	231	UUT-1
40kVA - 480/SCH/400V	Dry-type transformer, copper	POWER EUROPE SrL	14.2	18.9	18.9	429	UUT-2
Batteries							
HRL 1223W	Sealed lead acid battery	BATTERY CSB	2.8	3.5	4.2	5	UUT-2
HRL 1225W	Sealed lead acid battery	BATTERY CSB	2.8	3.5	4.2	5	interpolated
HRL 1234W	Sealed lead acid battery	BATTERY CSB	2.6	5.9	3.9	6	UUT-3 / 4
12FGHL34	Sealed lead acid battery	FIAMM	2.6	5.9	3.9	6	UUT-3 / 4
Top Air Exhaust Option							
M4-OP-TEX-UL	Option for top air ventilation	SOCOMEK	23.6	13.9	77.8	66	UUT-1
Top Entry Cable Option							
M4-OP-TCA	Top entry cable	SOCOMEK	23.6	7.3	6.3	9	UUT-2
Seismic Installation Kit							
M4-OP-SEISM-US	UPS cabinet seismic install kit	SOCOMEK	16.9	35.6	59.8	395	UUT-1 / 2
M4-BH-SEISM-US	Battery cabinet seismic install kit	SOCOMEK	16.9	36.1	59.8	365	UUT-3 / 4
Note:							
¹ The signaling box is a standalone wall mounted unit that was tested separately from the UPS Cabinet and Battery Cabinet.							

UUT-1

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Rigid Floor mounted with standard 6 - 5/8" grade 8.8 bolts / washers and with seismic kit (M4-OP-SEISM-US) consisting of an additional 16 - 5/8" grade 8.8 bolts / washers



Manufacturer: SOCOMEC	Product Line: MODULYS GP - GREEN POWER 2.0
Component: 75kW UPS	Model Number: M4-S-100-HCA0 (-A) + P3
UUT Function: Uninterruptible Power Supplies (UPS); Ensures continuity of supply to the critical load	
UUT Description: UPS contains M4-PI-UL25 Power Modules, M4-PI-SBPUL Hot-swap Bypass, Power Europe Srl Transformers (100kVA-415/480V and 100kVA - 480/415V), M4-OP-TEX-UL Top Air Exhaust	
Test Report: TAB3-PB-18-084-V2 Location: IABG mbH, Germany Test Date: November 12-16, 2018	

UUT PROPERTIES

*Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Length	Height	FB	SS	V
1,560	23.6"	35.0"	78.3"	27.5	> 33	> 33

SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.00	1.0	3.5	1.30	1.5	3.20	2.15	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

Notes: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

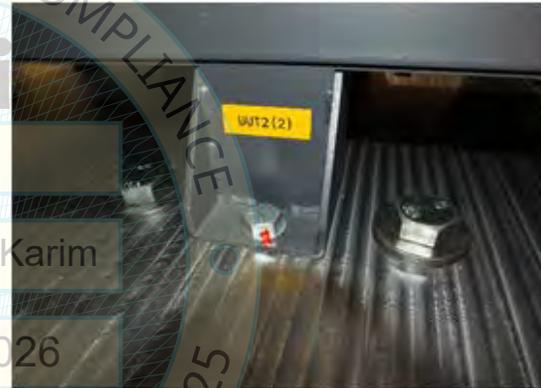
*Weight includes weight of unit and seismic installation kit.

UUT-2

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Rigid Floor mounted with standard 6 - 5/8" grade 8.8 bolts / washers and with seismic kit (M4-OP-SEISM-US) consisting of an additional 16 - 5/8" grade 8.8 bolts / washers



REVIEWED FOR CODE COMPLIANCE
BY: Mohammad Karim
DATE: 02/26/2026

Manufacturer: SOCOMEC	Product Line: MODULYS GP - GREEN POWER 2.0
Component: 40kW UPS and batteries	Model Number: M4-S-040-HCA0 (-A) + P2 + B3
UUT Function: Uninterruptible Power Supplies; Ensures the continuity of supply to the critical load	
UUT Description: UPS contains M4PI-UL25+CH Power Module, M4-BM-005VU Battery Module, M4-PI-SBPUL Hot-swap Bypass, 40kVA - 480/SCH/400V Power Europe Transformer, HRL 1233W Battery CSB Batteries, M4-OP-TCA Top Cable Entry	
Test Report: TAB3-PB-18-084-V2 Location: IABG mbH, Germany Test Date: November 12-16, 2018	

UUT PROPERTIES

*Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Length	Height	FB	SS	V
2,160	23.6"	35.0"	78.3"	27.1	30.9	> 33

SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.00	1.0	3.5	1.30	1.5	3.20	2.15	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

Notes: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

*Weight includes weight of unit and seismic installation kit.

UUT-3

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Rigid Floor mounted with standard 6 - 5/8" grade 8.8 bolts / washers and with seismic kit (M4-BH-SEISM-US) consisting of an additional 16 - 5/8" grade 8.8 bolts / washers



REVIEWED FOR CODE COMPLIANCE
BY: Mohammad Karim
DATE: 02/26/2026
CAI
OSP-0588
2025

Manufacturer: SOCOMEC	Product Line: MODULYS GP - GREEN POWER 2.0
Component: Battery Cabinet	Model Number: M4-BH-03S-009VU
UUT Function: Provides electrical energy to (UPS) in case of absence of the upstream network supply	
UUT Description: Battery Cabinet contains HRL 1223W Battery CSB batteries and 12FGHL34 FIAMM batteries.	
Test Report: TAB3-PB-18-084-V2 Location: IABG mbH, Germany Test Date: November 12-16, 2018	

UUT PROPERTIES

*Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Length	Height	FB	SS	V
1,975	31.9"	37.4"	78.3"	26.2	33.6	> 33

SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.00	1.0	3.5	1.30	1.5	3.20	2.15	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

Notes: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

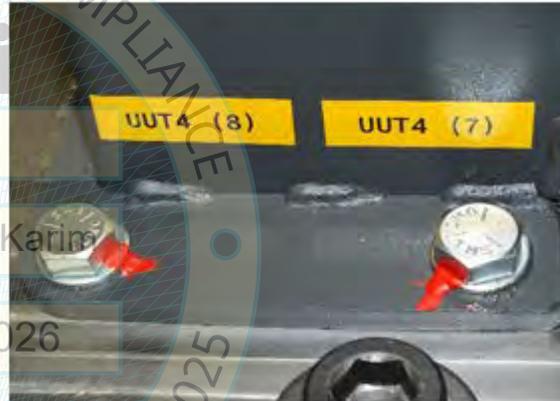
*Weight includes weight of unit and seismic installation kit.

UUT-4

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Rigid Floor mounted with standard 6 - 5/8" grade 8.8 bolts / washers and with seismic kit (M4-BH-SEISM-US) consisting of an additional 16 - 5/8" grade 8.8 bolts / washers



REVIEWED FOR COMPLIANCE
OSP-0588
BY: Mohammad Karim
DATE: 02/26/2026
CALL FOR VIBRATION COMPLIANCE 52025

Manufacturer: SOCOMEC	Product Line: MODULYS GP - GREEN POWER 2.0
Component: Battery Cabinet	Model Number: M4-BH-08S-009VU
UUT Function: Provides electrical energy to (UPS) in case of absence of the upstream network supply	
UUT Description: Battery Cabinet contains HRL 1223W Battery CSB batteries and 12FGHL34 FIAMM batteries	
Test Report: TAB3-PB-18-084-V2 Location: IABG mbH, Germany Test Date: November 12-16, 2018	

UUT PROPERTIES

*Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Length	Height	FB	SS	V
3,460	31.9"	37.4"	78.3"	14	21.7	> 33

SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.00	1.0	3.5	1.30	1.5	3.20	2.15	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

Notes: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

*Weight includes weight of unit and seismic installation kit.

UUT-5

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Rigid Wall mounted with 4 - 3/16" grade 8.8 bolts / washers



Manufacturer: SOCOMEC	Product Line: MODULYS GP - GREEN POWER 2.0
Component: Signaling Box	Model Number: U4-HC-LED-RGB
UUT Function: Allows the monitoring of the status of the Uninterruptible Power Supplies	
UUT Description: Optional accessory of Uninterruptible Power Supplies	
Test Report: TAB3-PB-18-084-V2 Location: IABG mbH, Germany Test Date: November 12-16, 2018	

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Length	Height	FB	SS	V
6	7.5"	3.5"	10.0"	> 33	> 33	> 33

SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.00	1.0	3.5	1.30	1.5	3.20	2.15	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.