



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0764

HCAI Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: APC by Schneider Electric

Manufacturer's Technical Representative: Scott Littler

Mailing Address: 6700 Tower Circle, Suite 700, Franklin, TN 37067

Telephone: (615) 267-9407

Email: Scott.Littler@se.com

Product Information

Product Name: UPS and Batteries

Product Type: UPS

Product Model Number: Smart-UPS Modular

General Description: Smart-UPS Modular units in seismic racks. Karim

Mounting Description: Rigid, Floor Mounted

Tested Seismic Enhancements: None

DATE: 05/02/2023

Applicant Information

Applicant Company Name: Pre Compliance

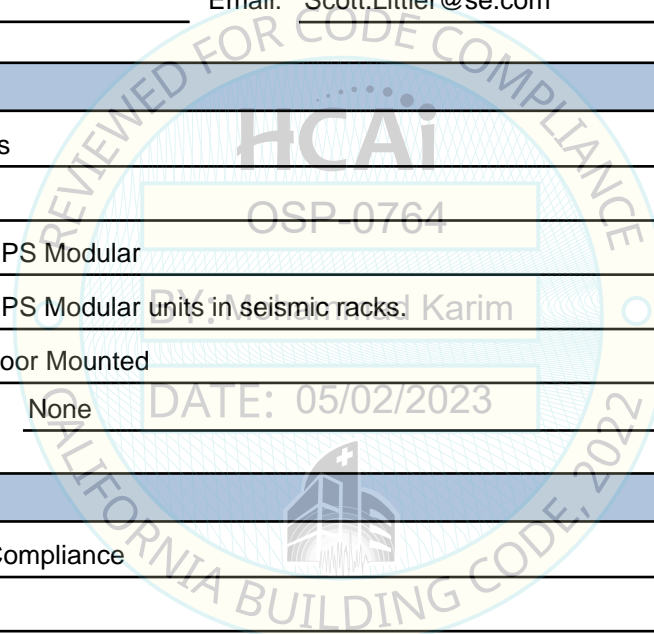
Contact Person: Galen Reid

Mailing Address: 36 SW Wall Street, Bend, OR 97702

Telephone: (541) 241-2310

Email: galen@go-pre.com

Title: Principal





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

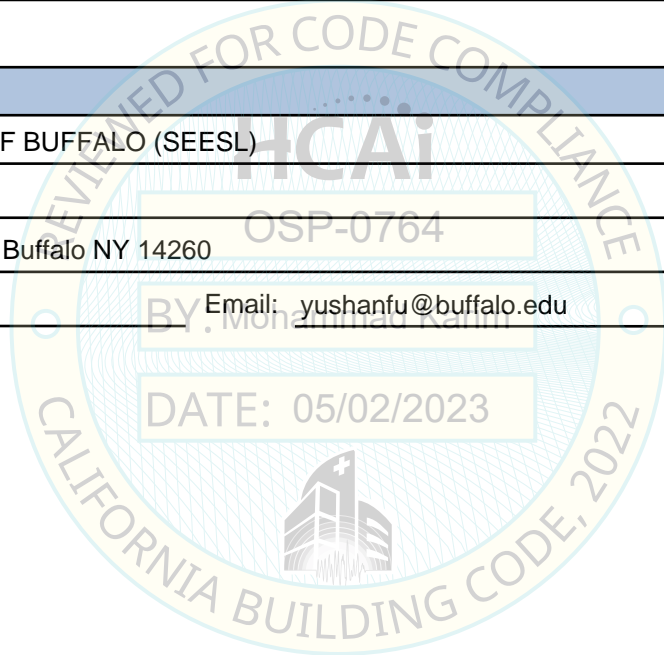
Company Name: PRE COMPLIANCE
Name: Andrew Coughlin California License Number: S6082
Mailing Address: 36 SW Wall Street, Bend, OR 97702
Telephone: (415) 635-8461 Email: Andy@go-pre.com

Certification Method

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

Testing Laboratory

Company Name: UNIVERSITY OF BUFFALO (SEESL)
Contact Person: Yushan Fu
Mailing Address: 212 Ketter Hall, Buffalo NY 14260
Telephone: (716) 645-3491 Email: yushanfu@buffalo.edu





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Seismic Parameters

Design Basis of Equipment or Components (F_p/W_p) = 1.36 (z/h=1); 1.21 (z/h=0)

SDS (Design spectral response acceleration at short period, g) = 1.89 (z/h = 1); 2.68 (z/h = 0)

a_p (Amplification factor) = 1

R_p (Response modification factor) = 2.5

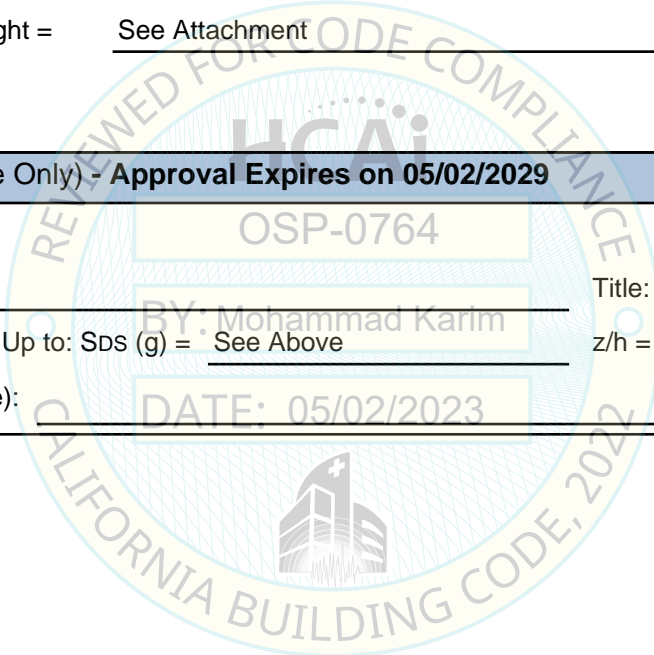
Ω_0 (System overstrength factor) = 2.0

I_p (Importance factor) = 1.5

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

Natural frequencies (Hz) = See Attachment

Overall dimensions and weight = See Attachment



HCAI Approval (For Office Use Only) - Approval Expires on 05/02/2029

Date: 5/2/2023

Name: Mohammad Karim Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: SDS (g) = See Above z/h = See Above

Condition of Approval (if applicable): DATE: 05/02/2023



Manufacturer: APC by Schneider Electric
Product Type: UPS
Model Line: APC Smart-UPS Modular

Seismic Parameters

$S_{DS} = 1.89g$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.68g$ for $z/h=0$

Building Codes

CBC 2022

TABLE 2

Table Description: Electrical Components

Component (APC)	Model	Dimensions (in)			Wt. (lb)	Notes	UUT
		D	W	H			
APC Smart UPS Modular ¹	SRYL5K15(RM)XLT	27.6	17.3	15.4	160	5kVA/5kW	Interp.
	SRYL5K20(RM)XLT	27.6	17.3	15.4	160	(N+0 Configuration)	Interp.
	SRYL10K15(RM)XLT	27.6	17.3	15.4	202	10 kVA / 10kW	1
	SRYL10K20(RM)XLT	27.6	17.3	15.4	202	(N+0 Configuration)	Interp.
	SRYL15K15(RM)XLT	27.6	17.3	15.4	244	15kVA / 15kW	Interp.
	SRYL15K20(RM)XLT	27.6	17.3	15.4	244	(N+0 Configuration)	Interp.
	SRYL20K20(RM)XLT	29.1	17.3	20.5	327	20kVA / 20kW (N+0 Configuration)	Interp.
	SRYL5K15(RM)XLT	27.6	17.3	15.4	202	5kVA / 5kW	1
	SRYL5K20(RM)XLT	27.6	17.3	15.4	202	(N+1 Configuration)	Interp.
	SRYL10K15(RM)XLT	27.6	17.3	15.4	244	10 kVA / 10kW	Interp.
	SRYL10K20(RM)XLT	27.6	17.3	15.4	244	(N+1 Configuration)	Interp.
	SRYL15K15(RM)XLT	29.1	17.3	20.5	285	15kVA / 15kW	Interp.
	SRYL15K20(RM)XLT	29.1	17.3	20.5	285	(N+1 Configuration)	Interp.
	SRYL20K20(RM)XLT	29.1	17.3	20.5	369	20kVA / 20kW (N+1 Configuration)	2,3,4
Power Module	SRYL5KPMT	22.9	8.4	2.5	20		1,2,3,4
Battery Module	SRYLBM	22.9	8.4	2.5	22		1,2,3,4
UPS Frame 100A	SRYLF15KRMT	27.6	17.3	13.4	118		1
UPS Frame 125A	SRYLF20KRMT	27.6	17.3	13.4	118		2,3,4
Extended Run Frame	SRYLFXBPRM4	29.1	17.3	5.1	44		1,2,3,4
Service Bypass	SRYLSBP20KP	29.7	17.3	13.4	53		3,4

¹UPS models listed consist of an arrangement of the other components listed in this table.

