

	0	FFICE USE ONLY
APPLICATION FOR OSHPD SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #:	OSP - 0426
OSHPD Special Seismic Certification Preapproval (OSP)		
Type: 🗌 New 🛛 Renewal		
Manufacturer Information		
Manufacturer: Active Power Inc		
Manufacturer's Technical Representative: Barry Marks, Regulatory E	ngineer	
Mailing Address: 2128 W Braker, BK12, Austin Texas 78758		
Telephone: On File	9	
Product Information	Mp,	
Product Name: CleanSource 750HD UPS OSHPD	The second second	
Product Type: Uninterruptible Power System OSP-0426	- Cri	
Product Model Number:       CSHD750 (Active Power Part Number 882)         (List all unique product identification numbers and/or part numbers) harmad Alia         General Description:       750 kVA 3-wire, single input flywheel UPS. So         modifications required to address the anomalies observed during tes         Mounting Description:       Rigid Base mount.	eismic enhancemen	
Applicant Information	N.	
ABUILDING	-04	
Applicant Company Name: <b>EASE</b>		
Contact Person: Jonathan Roberson, S.E.		
Mailing Address: _ <u>5877 Pine Ave, Suite 210, Chino Hills, CA. 91709</u>		
Telephone:   (909) 606-7622   Email:   j.rober	son@easeco.com	
I hereby agree to reimburse the Office of Statewide Health I accordance with the California Administrative Code, 2016. Signature of Applicant:	1	velopment review fees in Date: <u>9/24/19</u>
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs" STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY OSH-FD-759 (REV 12/16/15)	MMM	OSHPD Page 1 of 3



California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)
Company Name: EASE
Name: Jonathan Roberson, S.E California License Number: S4197
Mailing Address: _ 5877 Pine Ave, Suite 210, Chino Hills, CA. 91709
Telephone: (909) 606-7622 Email: j.roberson@easeco.com
Supports and Attachments Preapproval
<ul> <li>Supports and attachments are preapproved under OPM- (Separate application for OSHPD Preapproval of Manufacturer's Certification (OPM) of Supports and attachments is required)</li> <li>Supports and attachments are not preapproved RCODE CODE</li> </ul>
Certification Method
<ul> <li>Testing in accordance with: ICC-ES AC156</li> <li>Other (Please Specify): OSP-0426</li> </ul>
BY: Mohammad Aliaari
Testing Laboratory DATE: 08/17/2020
Company Name: Environmental Testing Laboratory, Inc.
Contact Name: Brady Richard
Mailing Address: 11034 Indian Trail, Dallas, TX. 75229-3513
Telephone: (972) 247-9657 Email: <u>brady@etIdallas.com</u>

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OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Seismic Parameters	Se	eism	ic P	aram	eters	
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Design in accordance with ASCE 7-10 Chapter 13: 🛛 Yes 🗌 No
Design Basis of Equipment or Components (Fp/Wp) = <u>1.44 @ SDS = 2.00 / 1.17 @ SDS = 2.60</u>
S <sub>DS</sub> (Design spectral response acceleration at short period, g) = <b>2.00 (z/h = 1); 2.60 (z/h = 0)</b>
$a_p$ (In-structure equipment or component amplification factor) = <u>1</u>
R <sub>p</sub> (Equipment or component response modification factor) = <b>2.5</b>
$\Omega_0$ (System overstrength factor) = _2
I <sub>P</sub> (Importance factor) = <b>1.5</b>
z/h (Height factor ratio) = _1 (S <sub>DS</sub> = 2.00); 0 ( S <sub>DS</sub> = 2.60)
Equipment or Component Natural Frequencies (Hz) = <u>See Attachment 1</u>
Overall dimensions and weight (or range thereof) = 132" W x 39" D x 80" H / 11,785 lb.
Equipment or Components @ grade designed in accordance with ASCE 7-10 Chapter 15:  Yes X No
Design Basis of Equipment or Components (V/W) =
S <sub>DS</sub> (Design spectral response acceleration at short period, g) =
$S_{D1}$ (Design spectral response acceleration at 1 second period, g) = $S_{D1}$
R (Response modification coefficient ) =
Ω₀ (System overstrength factor) = <u>BY: Mohammad Aliaari</u> Cd (Deflection amplification factor) =
I <sub>p</sub> (Importance factor) = 1.5 DATE: 08/17/2020 Height to Center of Gravity above base =
Equipment or Component Natural Frequencies (Hz) =
Overall dimensions and weight (or range thereof) =
BUILDING
List of Attachments Supporting Special Seismic Certification
🛛 Test Report(s) 🗌 Drawings 📄 Calculations 📄 Manufacturer's Catalog
Other(s) (Please Specify): <u>Attachment 1</u>
OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2025
Signature: _///. Allan Date: August 17, 2020
Print Name: Mohammad Aliaari Title: SSE
Special Seismic Certification Valid Up to : S <sub>DS</sub> (g) = <u>See Above</u> z/h = <u>See Above</u>
Condition of Approval (if applicable):
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"
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## **ACTIVE POWER**

## ATTACHMENT 1: TEST SPECIMEN SUMMARY

ATTACHMENT PAGE | 1 OF 1

UUT-1	CleanSource	e 750HD 3W (	3-wire)			
Manufacturer:	Active Power					
Identification:	Model No.: CSHD750 Serial No.: AP01464				- 0	T
Description:	750 kVA UPS 3-v As a condition for connecting moun replaced with 0.2 and compatible h subsequently rele	ower Supply (UPS) vire, single input w/ seismic qualification ting base to cabine 5" diameter SAE J4 ex nuts. These mode ased as a standard tive Power Part Nu	o EXRC Cabinet. on all rivets t structure were 29 Grade 5 bolts difications were d manufactured			
mounting.	(20) – 5/8" dia GF		ORCODEC			
	Dimensions (in	.)		Lowest Resonant Frequency (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
132	39	80	11,785	5.8	6.6	15.7
ICC-ES AC156	Shake Table Test P	arameters	OSP-0426	S	•	Code: 2016 CBC
S <sub>DS</sub> (G)	z/h	-Ip	A <sub>FLX-н</sub> (G)	Arig-н (G)	A <sub>FLX-V</sub> (G)	A <sub>RIG-V</sub> (G)
2.0 2.6	1	1.5 1.5 Y: M	loham <del>3-2</del> 9d Alia	ari 2.40	1.74	0.70

