

Office of Statewide Health Planning and Development



APPLICATION FOR PREAPPROVAL

SPECIAL SEISMIC CERTIFICATION OF EQUIPMENT AND COMPONENTS

	For Office Use Only						
	APPLICATION NO.	Check whe	ther application is:	NEW X RENEWAL			
OSF	P – 0066-10						
	UP Systems, Inc. dba Chloride North America		Ken Brenner				
	Manufacturer	o II 60049	Manufacture	er's Technical Representative			
1.0	27944 N. Bradley Rd., Libertyville, IL 60048 Mailing Address						
			g / laar ooo				
	847-968-2101		Ken.Brenner@cl	nloridepower.com			
	Telephone			E-mail Address			
	EDP70plus Model 80 Universal Power Supposed for 80kVA, 65kVA, or 50kVA rati with either 480V-in/480V-out, or 480V-in/208V-out		Uninterruptible Power Supply				
	Product Name		Product Type				
2.0	EP8080S44S						
2.0	Product model No (List all unique product identification numbers and/or serial numbers)						
	General Description: EDP70plus Model 80 is a Uninterruptible Power Supply configurable to provide secure power solutions for requirements ranging from 50 to 80 kVA, 208 and 480 volts in and/or out. The unit tested included features specific for Seismic Qualification						
3.0	EQUIPMENTANCHORAGE.COM		JONATHAN ROBERSON, S.E.				
	Applicant Company Name		Applicant Company Name				
62	5877 Pine Ave, Suite 210, Chino Hills, CA. 91709						
	Mailing Address						
	(406) 541-EASE (3273)		(406) 541-EASE (3273)				
	Telephone Telephone						
l here	eby agree to reimburse the Office is incurred by the department for re	of Statewide view.	Health Planning an	d Development for the actual			
			May 10, 2010				
	Rigifature of Applicant			Date			
	SENIOR ENGINEER		EQUIPMENTANCE	HORAGE.COM			
	450						



Office of Statewide Health Planning and Development

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	None and
THE REAL PROPERTY.	

4.0	EQUIPMENTANCHORAGE.COM							
	Company Name							
	Jonath	han Roberson, S.E.		S4197				
	F077	Contact Name	CA 04700	California License Number				
	5877	Pine Ave, Suite 210, Chino Hills,		W SOUL STATE OF THE STATE OF TH				
	909-6	06-7622	Mailing Address	jon@easeco.com				
	909-606-7622 Telephone			E-mail Address				
5.0		California Licensed Structural Engineer Review and Acceptance of the Report EQUIPMENTANCHORAGE.COM						
			Company Name					
	Jonath	han Roberson, S.E.		S4197				
	5877	Contact Name Pine Ave, Suite 210, Chino Hills,	CA. 91709	California License Number				
			Mailing Address					
	909-6	06-7622		jon@easeco.com				
		Telephone		E-mail Address				
	Ancho	orage Pre-Approval						
6.0		Anchorage is pre-approved under O	ACHMENT 1					
5.0	_	(Separate application for anchorage		ired)				
5.0				ired)				
5.0		(Separate application for anchorage		ired)				
		(Separate application for anchorage Anchorage is not Pre-approved		*				
	⊠ Certifi	(Separate application for anchorage Anchorage is not Pre-approved ication Method	pre-approval is requi					
70.	⊠ Certifi	(Separate application for anchorage Anchorage is not Pre-approved ication Method Testing in accordance with: Analysis	pre-approval is requi					
	⊠ Certifi	(Separate application for anchorage Anchorage is not Pre-approved ication Method Testing in accordance with:	pre-approval is requi	-156				
	⊠ Certifi	(Separate application for anchorage Anchorage is not Pre-approved ication Method Testing in accordance with: Analysis Experience data	pre-approval is requi	-156				
70.	Certifi	(Separate application for anchorage Anchorage is not Pre-approved ication Method Testing in accordance with: Analysis Experience data	pre-approval is requi	-156				
	Certifi Testin	(Separate application for anchorage Anchorage is not Pre-approved ication Method Testing in accordance with: Analysis Experience data Combination of Testing, Analysis, ar	pre-approval is requi	-156				
70.	Certifi Testin	(Separate application for anchorage Anchorage is not Pre-approved ication Method Testing in accordance with: Analysis Experience data Combination of Testing, Analysis, and applicable	pre-approval is requi	Other (Please Specify):				
70.	Certifi	(Separate application for anchorage Anchorage is not Pre-approved ication Method Testing in accordance with: Analysis Experience data Combination of Testing, Analysis, and applicable) Enmental Testing Laboratory, Inc.	pre-approval is requi	Other (Please Specify): a (Please Specify): Brady Richard, Vice President				
70.	Certifi	(Separate application for anchorage Anchorage is not Pre-approved ication Method Testing in accordance with: Analysis Experience data Combination of Testing, Analysis, ar ing Laboratory (if applicable) commental Testing Laboratory, Inc. Company Name	pre-approval is requi	Other (Please Specify): a (Please Specify): Brady Richard, Vice President				
70.	Certifi	(Separate application for anchorage Anchorage is not Pre-approved ication Method Testing in accordance with: Analysis Experience data Combination of Testing, Analysis, ar ing Laboratory (if applicable) commental Testing Laboratory, Inc. Company Name	pre-approval is requi	Other (Please Specify): a (Please Specify): Brady Richard, Vice President				



Office of Statewide Health Planning and Development

	. I Dominio form						
9.0	Approval Parameters						
9.0	Design in accordance with ASCE 7-05 Chapter 13: Yes No						
	Design Basis of Equipment or Components $(F_p/W_p) = 1.5g$						
	S _{DS} (Spectral response acceleration at short period) =2.00g						
	a_p (In-structure equipment or component amplification factor) = 1						
	R_p (Equipment or component response modification factor) = 2.5						
	I_p (Importance factor) = 1.5						
	z/h (Height factor ratio)=1.0 Equipment or Component fundamental frequency(s) = 4.3 Hz.(Front-Back) 3.9 Hz (Side-Side) 9.1 Hz (Vert.)						
	Building period limits (if any) = NO LIMIT						
	Overall dimensions and weight (or range thereof) = 35.4" W x 28.7" D x 63" H x 1800 lb. (Approx.)						
	Equipment or Components @ grade designed in accordance with ASCE 7-05 Chapter 15: Yes No						
	Design Basis of Equipment or Components (V/W) =						
	S _{DS} (Spectral response acceleration at short period) =						
	S ₁ (Spectral response acceleration at 1 second period) =						
	R (Response modification coefficient)=1.0						
	Ω_0 (System overstrength factor) =1.0						
	C_d (Deflection amplification factor) =1.0						
	I_p (Importance factor) =1.5						
	Height to Center of Gravity above base =						
	Equipment or Component fundamental period(s) = Sec						
	Overall dimensions and weight (or range thereof) =						
	Tank(s) designed in accordance with ASME BPVC, 2007: Yes No						
10.	List of attachments supporting the special seismic certification of equipment or components:						
	☐ Drawings ☐ Manufacturer's Catalog						
	☐ Calculations ☐ Others (Please Specify:):						
11.	0 OSHPD Approval (For Office Use Only) 5/10/2010 December 31, 2013						
	Signature & Date Approval Expiration Date						
	Chris Tokas, SHFR $S_{DS}(g) = 2.0$ $z/h = 1.0$						
	Name & Title Special Seismic Certification Valid Up to Condition of Approval (if any):						

MODEL 80	WHITE SALES	50 kVA	De Cale Control	WHITE ST	65 kVA	The way	THE ST	80 kVA	
EDP70plus UPS model 80	.x2	4x2	4x4	x2	4x2	4x4	2×2	4x2	4x4
Base unit part number	P. is80/50-2 k2	Plus80/50-4x2	Plus80/50-4x4	Pi is80/65-2 k2	Plus80/65-4x2	Plus80/65-4x4	Pl. s80/80-2 .2	Plus80/80-4x2	Plus80/80-4x4
Power rating @ 0.8 power factor (kVA/kW)	50,40	50/40	50/40	65,52	65/52	65/52	80/54	80/64	80/64
Input voltage single input (VAC)	208	480	480	208	480	480 "	208	480	480
Input voltage tolerance	± 15 %	± 15%	± 15%	± 15 %	± 15%	± 15%	± 15 6	± 15%	± 15%
Input frequency (Hz)	60 Hz ± 5%	60 Hz ± 5%	60 Hz ± 5%	60 Hz ± 5%	60 Hz ± 5%	60 Hz ± 5%	60 Hz ± 5%	60 Hz ± 5%	60 Hz ± 5%
Input power factor	> 0.9 with filter		Λ	> 0.9 with filter			0.9 with filter		
Input current (nominal/maximum) (A)	152 190	65/81	65/81	198 248	84/105	84/105	244/305	103/129	103/129
Input THDi	≤ 10% with filter		//	10% with filter		1 \ \	≤ 10% with filter		
Output voltage (VAC)	20 BY/120	208Y/120	480Y/277	203Y/120	208Y/120	480Y/277	203Y/120	208Y/120	480Y/277
Output voltage regulation	± 3% 00% unbalanced load		± 3%	00% unbalanced load		± 3%,	00% unbalanced load		
Nominal output current (A)	39	139	60	.80	180	78	22	222	96
Voltage THD	< 3%, linear load < 5% 100% non-linear load			< 3%, linear load < 5% 100% non-linear load			< 3%, linear load < 5% 100% non-linear load		
Output frequency (Hz)	00 Hz ±0.19	60 Hz ±0.1%	60 Hz ±0.1%	e0 Hz ±0.1%	60 Hz ±0.1%	60 Hz ±0.1%	30 Hz ±0.198	60 Hz ±0.1%	60 Hz ±0.1%
System efficiency @ 100% load (%)	89	91	91	89	91	91	89	91	91
Full load heat rejection (BTU/hr)	16,87	13,506	13,506	21,94	17,558	17,558	27,00	21,609	21,609
UPS dimensions HxWxD - in (cm)	63 x 35.	× 28.7 (159	x 89 x 72)	63 x 35.	1 x 28.7 (159	x 89 x 72)	63 x 35.	1 × 28.7 (159 :	x 89 x 72)
UPS net weight - lbs (kg)	2310 (1045)	1800 (823)	1800 (823)	7310 (1045)	1800 (823)	1800 (823)	2310 (1045)	1800 (823)	1800 (823)
UPS ship weight - lbs (kg)	contact factory		contact factory			contact factory			
Inverter technology		IGBT PWM		IGBT PWM			IGBT PWM		
Overload capacity	150 % for 1 min.; 125% for 10 min.			150 % for 1 min.; 125% for 10 min.			150 % for 1 min.; 125% for 10 min.		
Maximum acoustical	52 dBA @ 3 feet			52 dBA @ 3 feet			52 dBA @ 3 feet		
Connectivity	RS-232 standard; SNMP/WEB optional; LIFE.net free for 1 year			RS-232 standard; SNMP/WEB optional; LIFE.net free for 1 year			RS-232 standard; SNMP/WEB optional; LIFE.net free for 1 year		
Temperature	+18° F to +104°F (- 8°C to + 40°C)			+18° F to +104°F (-8°C to + 40°C)			+18° F to +104°F (-8°C to + 40°C)		
Relative humidity	. 0-95% noncondensing			0-95% noncondensing			0-95% noncondensing		
Altitude without derating - ft (M) ASL	5000 (1500)		5000 (1500)			5000 (1500)			