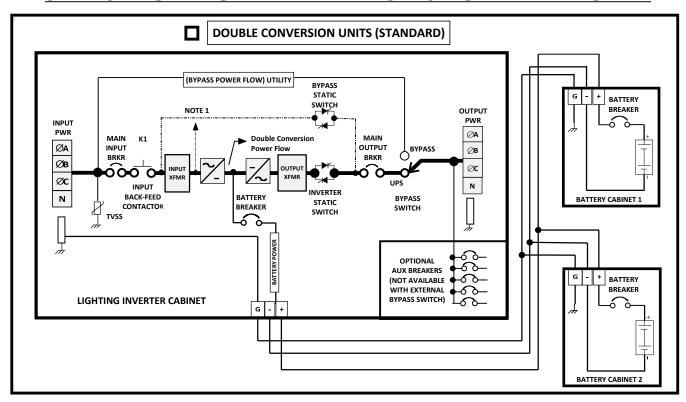
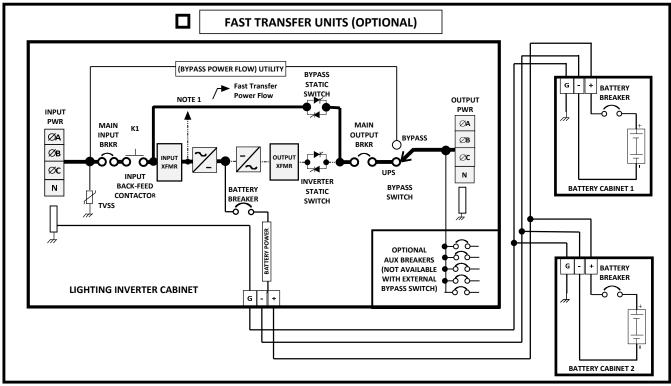
3 PHASE LIGHTING INVERTER TYPICAL SINGLE LINE DIAGRAM





NOTE(S):

- 1. STATIC BYPASS AND MANUAL BYPASS WILL BE POWERED FROM THE TRANSFORMER FOR DIFFERENT INPUT AND OUTPUT VOLTAGE CONFIGURATIONS.
- 2. OPTIONAL DELTA INPUT POWER AVAILABLE USING EXTERNAL TRANSFORMER, TRANSFORMER MUST BE SIZED MIN 25% LARGER THAT UPS CAPACITY.
- 3. BOLD LINE INDICATES THE NORMAL (DOUBLE CONVERSION) POWER FLOW.
- 4. OPTIONAL EXTERNAL WRAP AROUND BYPASS SWITCH IS AVAILABLE.

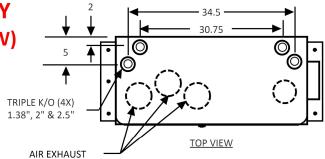
SUBJECT TO CHANGE WITHOUT NOTICE

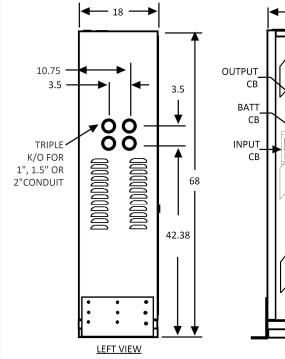


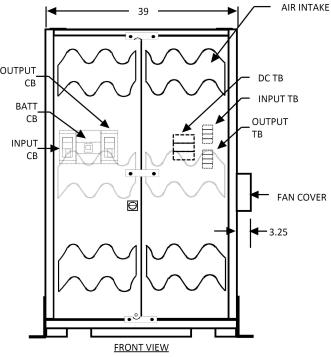
DRAWN : SS	9/7/22
APPVD : HN	9/7/22

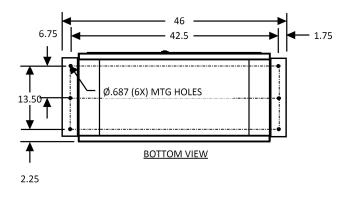
POWER RIDE 3 CENTRAL LIGHTING INVERTER SHAKER TABLE TEST CERTIFIED BY (HCAI)

ELECTRONIC CABINET ONLY (8 KW TO 50 KW)









NOTE(S):

- 1) CONSTRUCTION: NEMA1 INDOOR.
- 2) SHAKE TABLE TESTED.

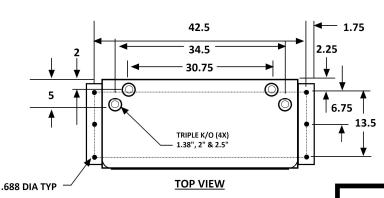
P	ERF	ECT
PO	WERSY	STEMS

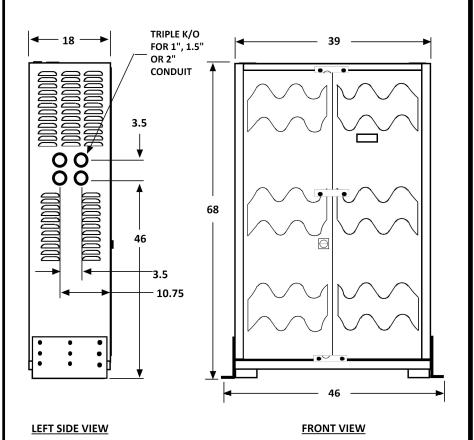
POWER RIDE 3
SHAKER TABLE TESTED
INVERTER CABINET

DRAWN : MT	12/26/22	715-SV-TD-011	REVISION	SHEET
APPVD : SHERRI S.	12/26/22	713-34-10-011	Α	1 OF 1

RIGHT VIEW

BATTERY CABINET (12KVA/8KW), <u>STANDARD VRLA BATTERY</u> SHAKER TABLE TEST CERTIFIED BY (HCAI)

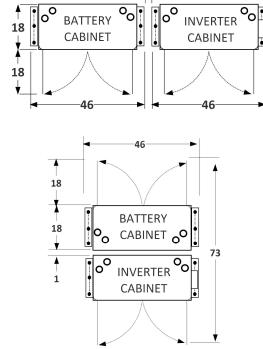




RECOMMENDED SYSTEM LAYOUT

STANDARD VRLA BATTERY						
BATTERY BATTERY						
KVA/KW	CABINET QTY	CABINET QTY				
	90 MIN.	120 MIN.				
10KVA/8KW	1	1				

SEE NOTE 1─►



NOTE(S):

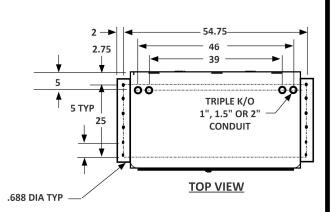
- 1) SPACING IS OPTIONAL NOT REQUIRED BY MFR.
- 2) CONSTRUCTION: NEMA1 INDOOR.
- 3) SHAKE TABLE TESTED.

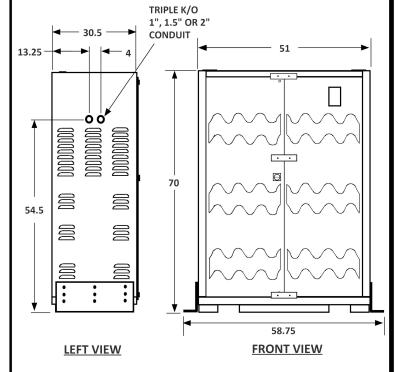
PE	RFECT	
POW	ERSYSTEMS	

POWER RIDE 3	
SHAKER TABLE TESTED	
BATTERY CABINET (39" WIDE)	

DRAWN : MT	12/26/22	715-SV-TD-012	REVISION	SHEET
APPVD : SHERRI S.	12/26/22	/15-5V-1D-012	Α	1 OF 1

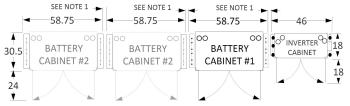
BATTERY CABINET (12 KW TO 50 KW), <u>STANDARD VRLA BATTERY</u> SHAKER TABLE TEST CERTIFIED BY (HCAI)

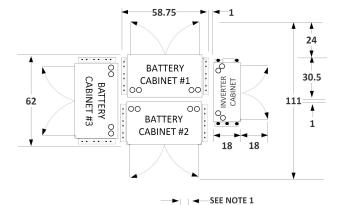


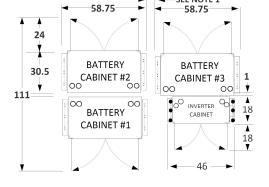


RECOMMENDED SYSTEM LAYOUT

STANDARD VRLA BATTERY						
BATTERY BATTERY CABINET KVA/KW CABINET QTY QTY 90 MIN. 120 MIN.						
15KVA/12KW	1	1				
20KVA/16KW	1	1				
25KVA/20KW	1	1				
30KVA/24KW	1	2				
40KVA/32KW	2	2				
50KVA/40KW	2	2				
50KW	2	3				







NOTE(S):

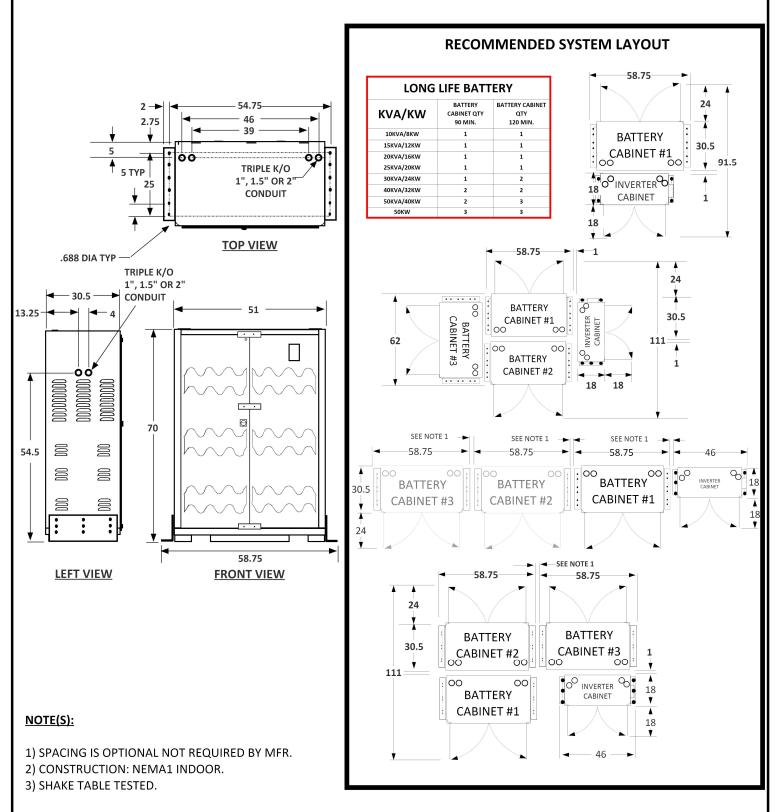
- 1) SPACING IS OPTIONAL NOT REQUIRED BY MFR.
- 2) CONSTRUCTION: NEMA1 INDOOR.
- 3) SHAKE TABLE TESTED.

PERFECT	
POWERSYSTEMS	

POWER RIDE 3	
SHAKER TABLE TESTED	
BATTERY CABINET (51" WIDE)	

DRAWN : MT	12/26/22	715-SV-TD-013	REVISION	SHEET
APPVD : SHERRI S.	12/26/22	/15-3V-1D-013	Α	1 OF 1

BATTERY CABINET (8 KW TO 50 KW), LONG LIFE BATTERY SHAKE TABLE TESTED CERTIFIED BY (HCAI)

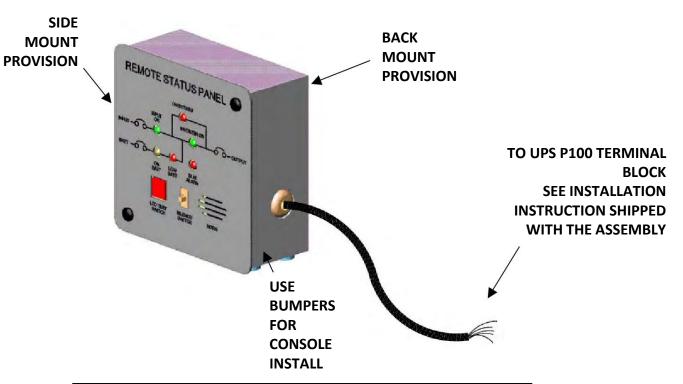




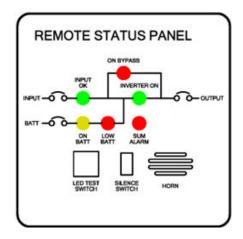
POWER RIDE 3 SHAKER TABLE TESTED LONG LIFE BATTERY CABINET (51" WIDE)

DRAWN : MT	12/26/22	715-SV-TD-014	REVISION	SHEET
APPVD :SHERRI S.	12/26/22	/15-5V-TD-014	Α	1 OF 1

REMOTE STATUS PANEL



Remote Status Panel displays the following:	
INPUT OK:	Input power is within acceptable range
INVERTER ON:	Inverter is on
ON BYPASS:	Unit is on Bypass Mode
ON BATT:	Unit is running from Battery
LOW BATT:	Battery voltage is at low voltage before shutdown
SUM ALARM:	Unit is on critical alarm such as: Over temperature, DC OV/UV
HORN:	Audible warning for alarm condition
SILENCE WATCH:	Silences the audible warning
LED TEST:	Tests the LED's by push in



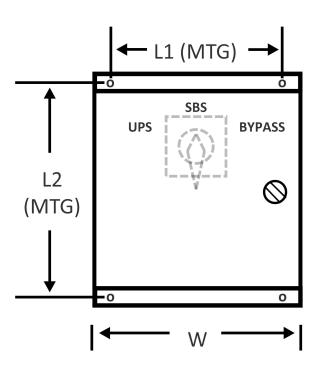
SUBJECT TO CHANGE WITHOUT NOTICE

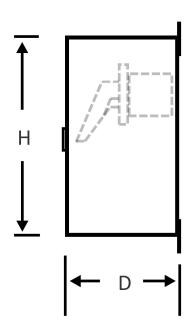


DRAWN : MT	12/01/22	
APPVD : SS	12/01/22	

MAKE BEFORE BREAK EXTERNAL WRAP AROUND BY-PASS SWITCH

350 AMPS	600V	30	36	16	28.5	34.5
240 AMPS	600V	30	30	12	28.5	28.5
175 AMPS	600V	20	20	12	18.5	18.5
110 AMPS	600V	14	16	10	12	16.75
55 AMPS	600V	14	16	8	12	16.75
RATING	VOLTAGE	DIM W	DIM H	DIM D	DIM L1 (MTG)	DIM L2 (MTG)





NOTE(S):

- 1) SWITCH CONTACTS ARE THREE PHASE L-NEUTRAL "MAKE BEFORE-BREAK"
- 2) CONTACTS MARKED "UPS" ARE CLOSED IN THE "UPS" POSITION
- 3) CONTACTS MARKED "BYPASS" ARE CLOSED IN THE "BYPASS" POSITION
- 4) CONTACTS MARKED "SBS" ARE CLOSED IN THE "SBS" POSITION
- 5) WRAP AROUND BY-PASS SWITCH IS FOR SAME INPUT/OUTPUT VOLTAGES ONLY
- 6) WRAP AROUND BY-PASS SWITCH CAN ONLY BE USED WITHOUT ANY BUILT-IN SECONDARY DISTRIBUTION CIRCUIT BREAKERS IN UPS

SUBJECT TO CHANGE WITHOUT NOTICE



DRAWN : SS	
APPVD : HN	

4/17/24

HCAI Certification (pg. 1 of 3)



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR HCAI SPECIAL SEISMIC	
CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #: OSP-0501
HCAI Special Seismic Certification Preapproval (OSP)	
Type: New X Renewal	
Manufacturer Information	
Manufacturer: Perfect Power Systems	
Manufacturer's Technical Representative: Sherri Shahsavari	
Mailing Address: 14000 S Broadway, Los Angeles, CA 90061	
Telephone: (323) 721-5017 Email: sherris@onli	nepower.com
Product Information	Ms,
Product Name: UPS and Batteries	
Product Type: Lighting Inverter Systems	
Product Model Number: See Attachment	
General Description: Single phase or three phase emergency lighting electrical cabinet enclosure.	grinverter with battery backup inside of a carbon steel
Mounting Description: Rigid, Floor Mounted	22
Total Colonia Emiliani	test units and/or modifications required to address ncorporated into the production units.
Applicant Information	
Applicant Company Name: TRU Compliance, by Structural Integrity Ass	ociates, Inc.
Contact Person: Galen Reid	
Mailing Address: 5215 Hellyer Ave. Suite 210, San Jose, CA 95138	
Telephone: (541) 604-7225 Email: greid@struct	tint.com
Title: Director, TRU Compliance	





05/04/2022

OSP-0501 Page 1 of 27

HCAI Certification (pg. 2 of 3)



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)
Company Name: STRUCTURAL INTEGRITY ASSOCIATES, INC.
Name: Andrew Coughlin California License Number: S6082
Mailing Address: 5215 Hellyer Ave, Suite 101, San Jose, CA 95138-1025
Telephone: (415) 635-8461 Email: acoughlin@structint.com
Certification Method
☐ GR-63-Core X ICC-ES AC156 ☐ IEEE 344 ☐ IEEE 693 ☐ NEBS 3
Other (Please Specify):
EOR CODE CO
Testing Laboratory
Company Name: Pacific Earthquake Engineering Research Center (PEER)
Contact Person: Clement B Barthes
Mailing Address: 1301 South 46th St., Bldg. 420, Richmond CA 94804
Telephone: (510) 642-3437
Q DATE: 05/04/2022







05/04/2022

HCAI Certification (pg. 3 of 3)



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION **FACILITIES DEVELOPMENT DIVISION**

Seismic Parameters		
Design Basis of Equipment or Components $(F_p/W_p) = 1.44 \text{ (SDS = 2.0g)}; 1.35 \text{ (SDS = 3.0g)}$		
SDS (Design spectral response acceleration at short period, g) = 2.0 (z/h = 1.0); 3.0 (z/h = 0.0)		
a _p (Amplification factor) =	1.0	
Rp (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 05/04/2028 Date: 5/4/2022 Mohammad Karim Title: Name: Supervisor, Health Facilities Special Seismic Certification Valid Up to: Sps (g) = See Above z/h =See Above Condition of Approval (if applicable):

OSP-0501





05/04/2022

Page 3 of 27