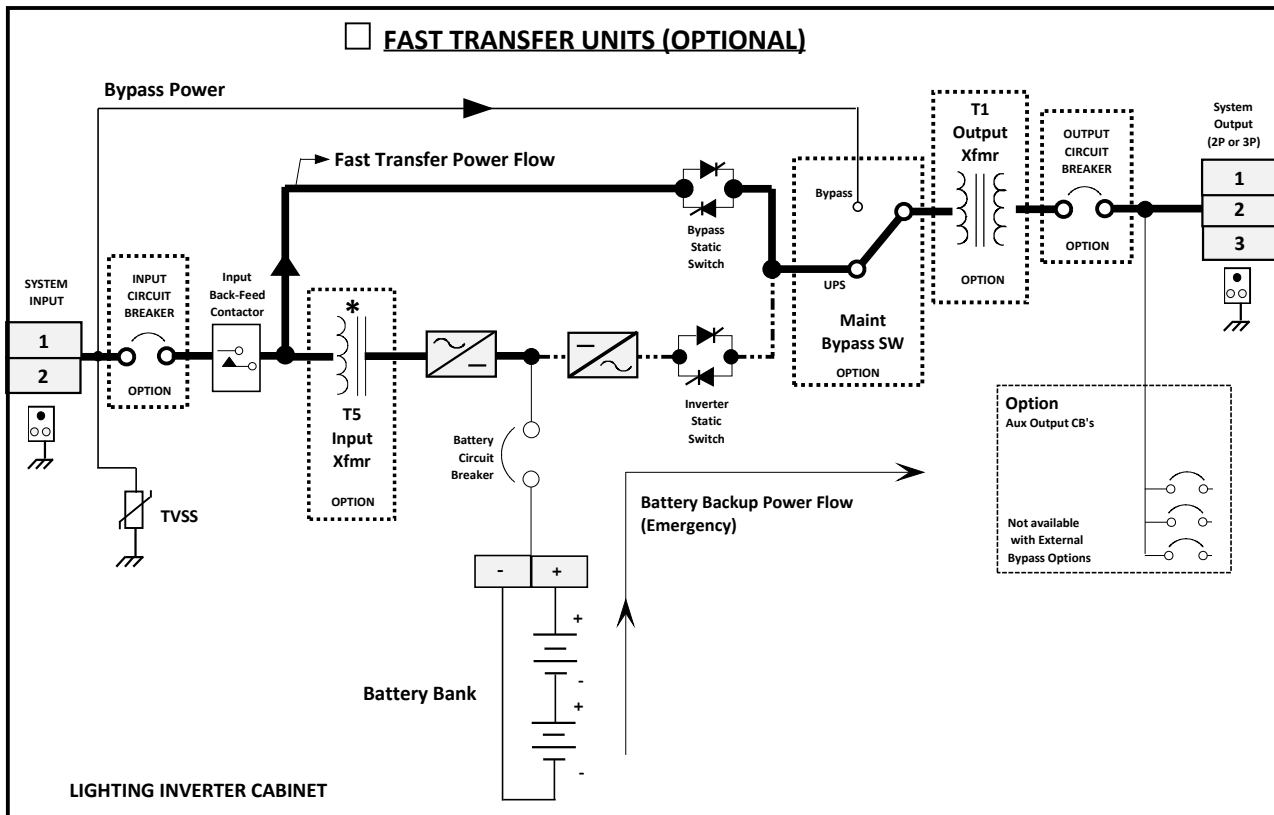
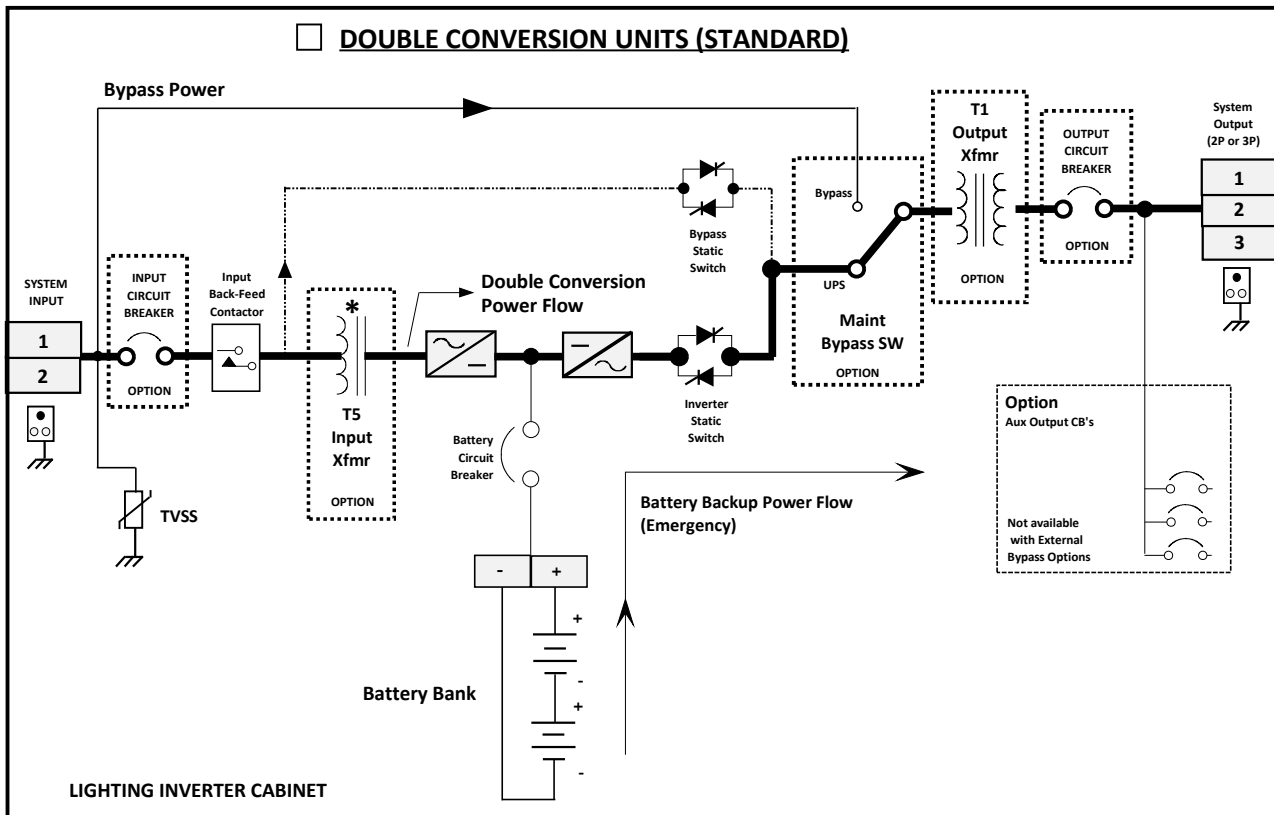


1 PHASE LIGHTING INVERTER TYPICAL SINGLE LINE DIAGRAM



NOTE(S):

- *Static Bypass and Manual Bypass:
will be powered from the transformer for different input and output voltage configurations.
- Dotted blocks are optional features

SUBJECT TO CHANGE WITHOUT NOTICE

**INDOOR & OUTDOOR
UNITS**



TYPICAL 1-PH LIGHTING
INVERTER SINGLE LINE DIAGRAM

DRAWN : MT
APPVD : SS

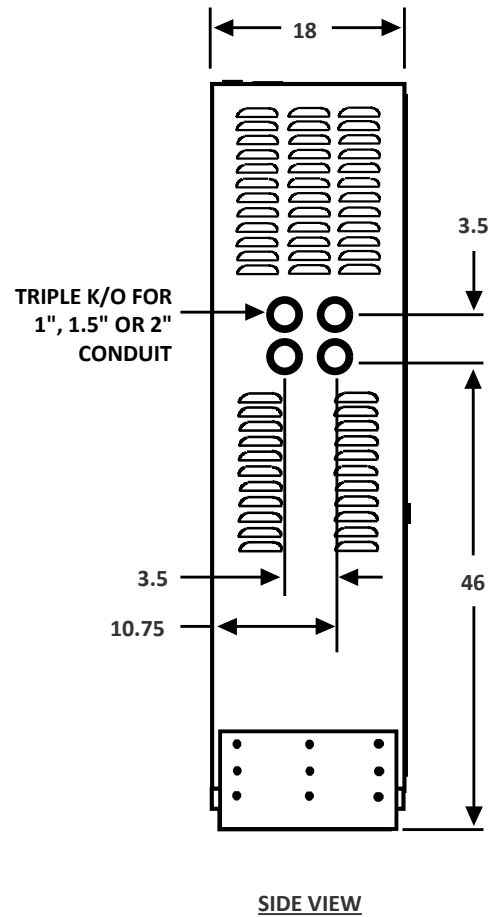
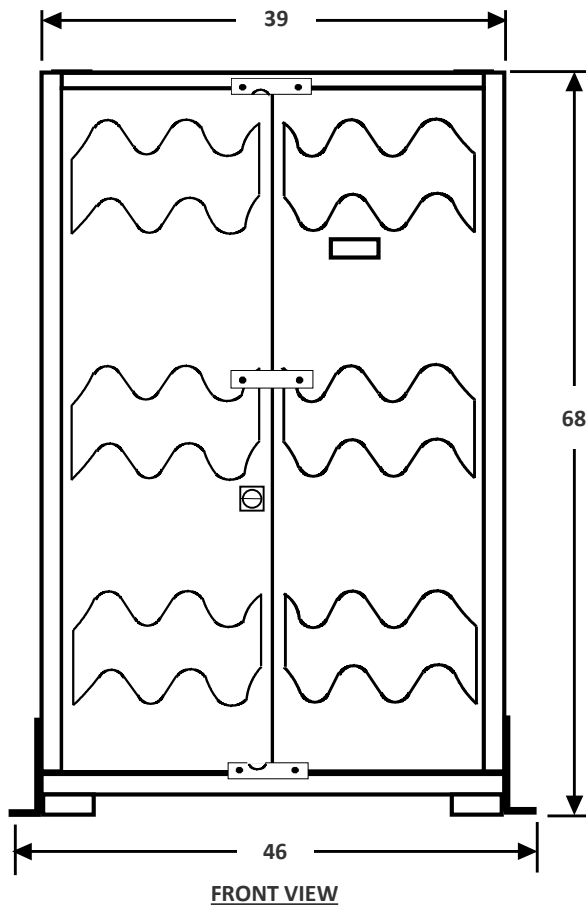
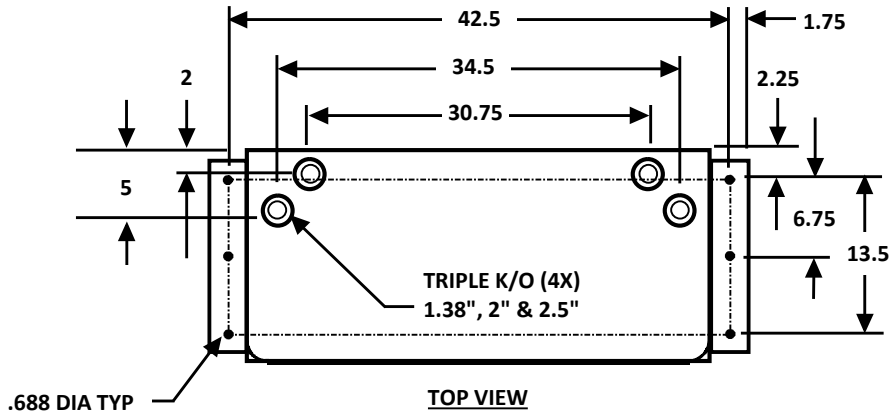
12/01/22
12/01/22

710-TD-010

REVISION
B

SHEET
1 OF 1

3 KW TO 8 KW INVERTER WITH 90 MIN BACKUP **SHAKER TABLE TEST CERTIFIED BY (HCAI)**



NOTE(S):

1. ALL DIMENSIONS ARE IN INCHES.
2. 7.5KW CAN BE IN 39" OR 51" WIDE CABINET DEPENDING ON THE BATTERY TYPE.

SUBJECT TO CHANGE WITHOUT NOTICE



1-PHASE UPS, POWER RIDE 1
SHAKE TABLE TESTED TECHNICAL
DRAWINGS

DRAWN : MT
APPVD : SS

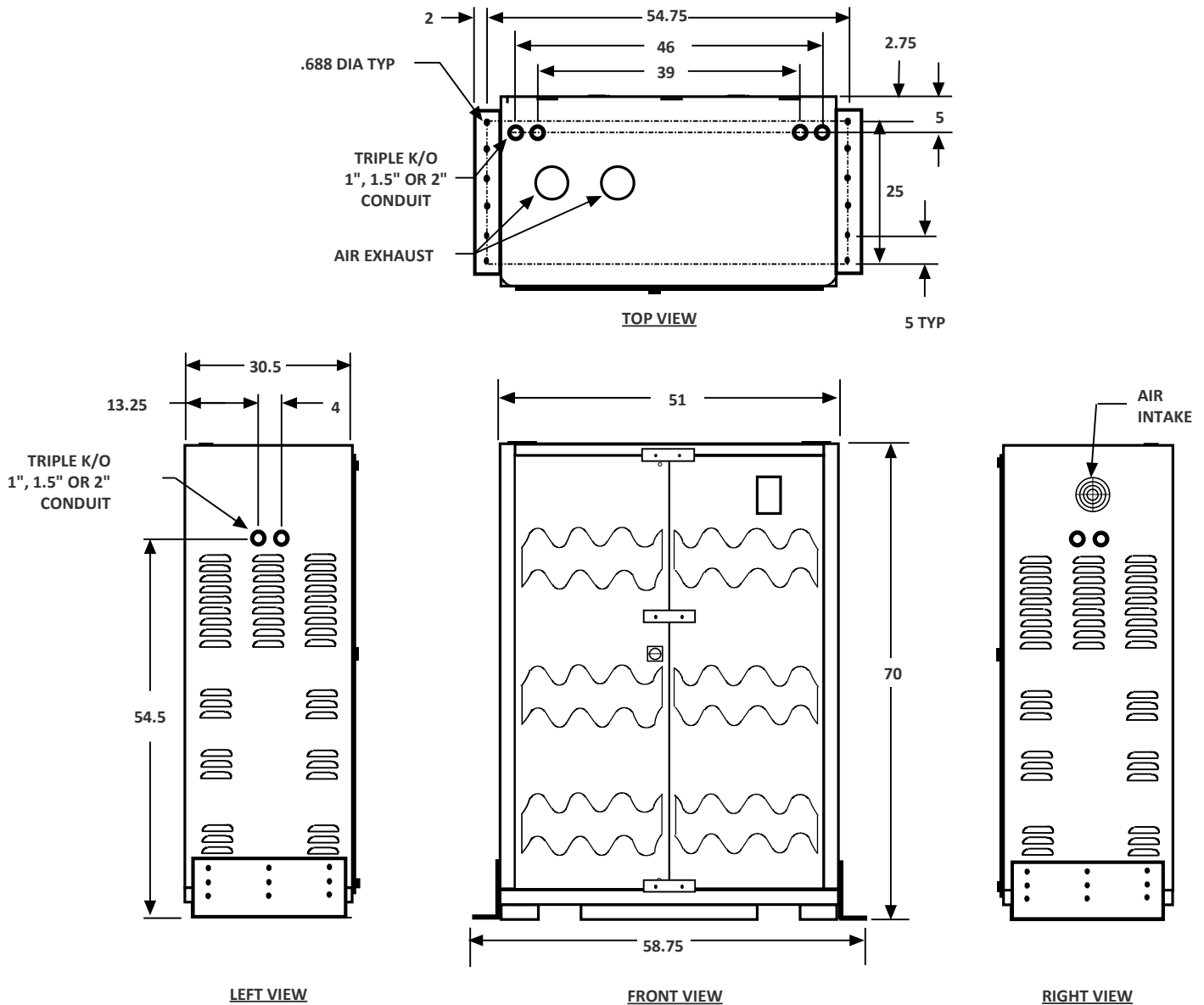
12/01/22
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710-SV-TD-011

REVISION
A

SHEET
1 OF 1

10 KW TO 17 KW INVERTER WITH 90 MIN. BACKUP
STANDARD VRLA BATTERY
SHAKER TABLE TEST CERTIFIED BY (HCAI)



NOTE(S):

1. ALL DIMENSIONS ARE IN INCHES.
2. 7.5KW CAN BE IN 39" OR 51" WIDE CABINET DEPENDING ON THE BATTERY TYPE.

SUBJECT TO CHANGE WITHOUT NOTICE



1-PHASE UPS, POWER RIDE 1
SHAKE TABLE TESTED TECHNICAL
DRAWINGS

DRAWN : MT
APPVD : SS

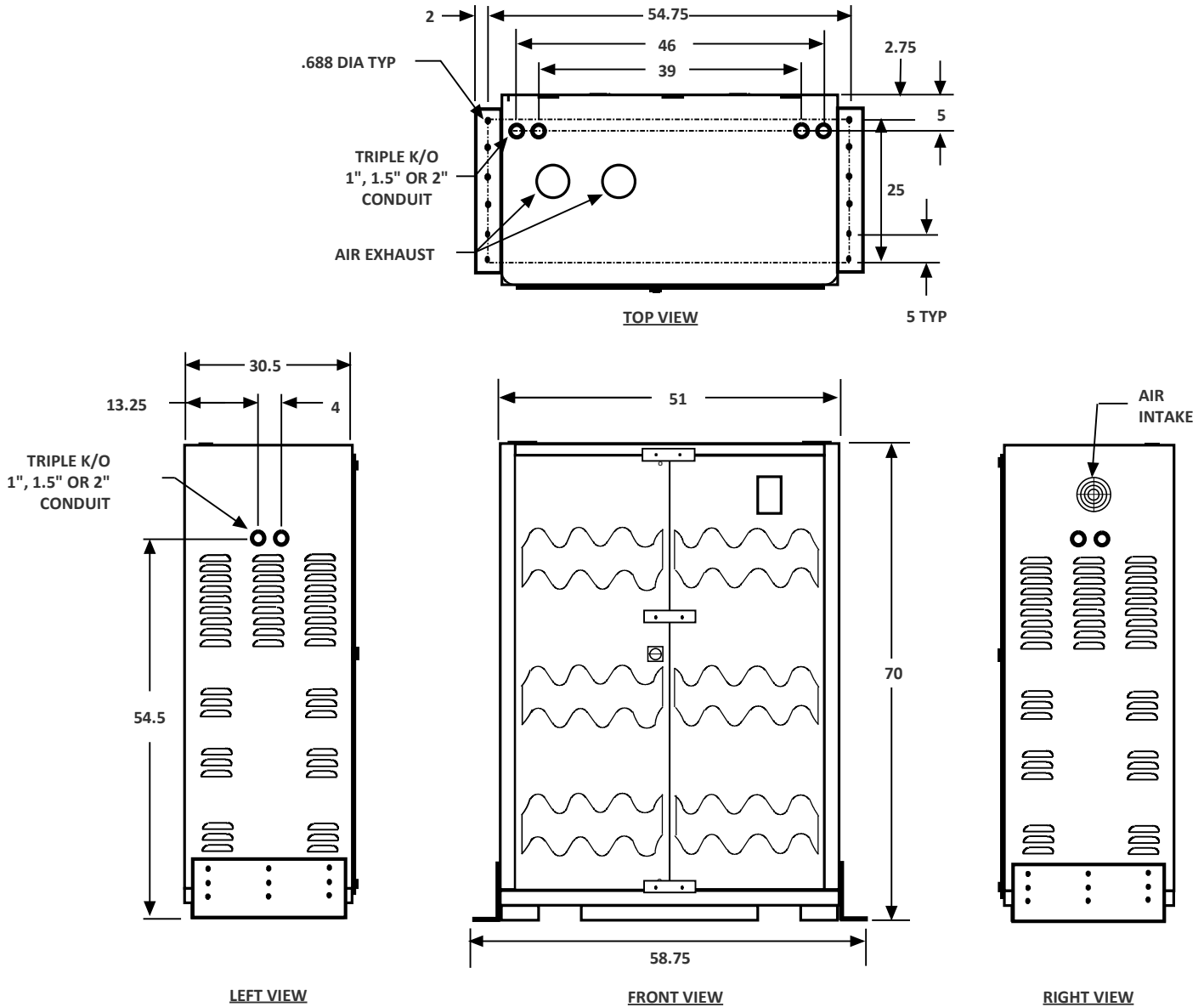
12/01/22
12/01/22

710-SV-TD-012

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1 OF 1

**3KW THRU 17KW INVERTER WITH 90 MIN. BACKUP
LONG LIFE BATTERY
SHAKER TABLE TEST CERTIFIED BY (HCAI)**



NOTE(S):

1. ALL DIMENSIONS ARE IN INCHES.
2. 7.5KW CAN BE IN 39" OR 51" WIDE CABINET DEPENDING ON THE BATTERY TYPE.
3. 14KW THRU 17KW HAS 2 CABINETS, INVERTER CABINET & BATTERY CABINET.

SUBJECT TO CHANGE WITHOUT NOTICE



1-PHASE UPS, POWER RIDE 1
SHAKE TABLE TESTED TECHNICAL
DRAWINGS

DRAWN : MT

12/01/22

APPVD : SS

12/01/22

710-SV-TD-013

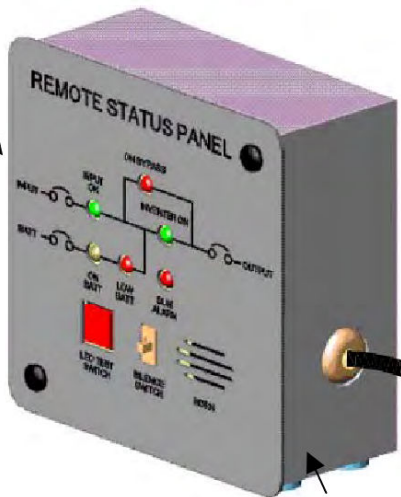
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SHEET
1 OF 1

REMOTE STATUS PANEL

SIDE
MOUNT
PROVISION

BACK
MOUNT
PROVISION

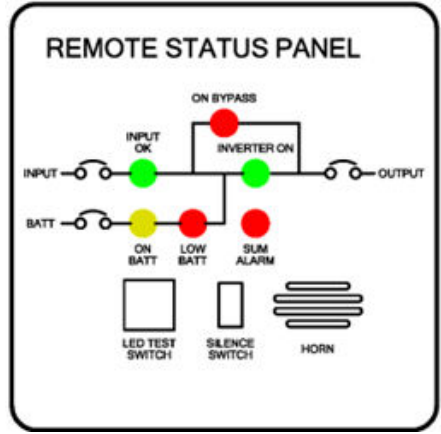


TO UPS P100 TERMINAL
BLOCK
SEE INSTALLATION
INSTRUCTION SHIPPED
WITH THE ASSEMBLY

USE
BUMPER
FOR
CONSOLE
INSTALL

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



REMOTE STATUS PANEL ASSEMBLY

DRAWN : MT
APPVD : SS

12/01/22
12/01/22

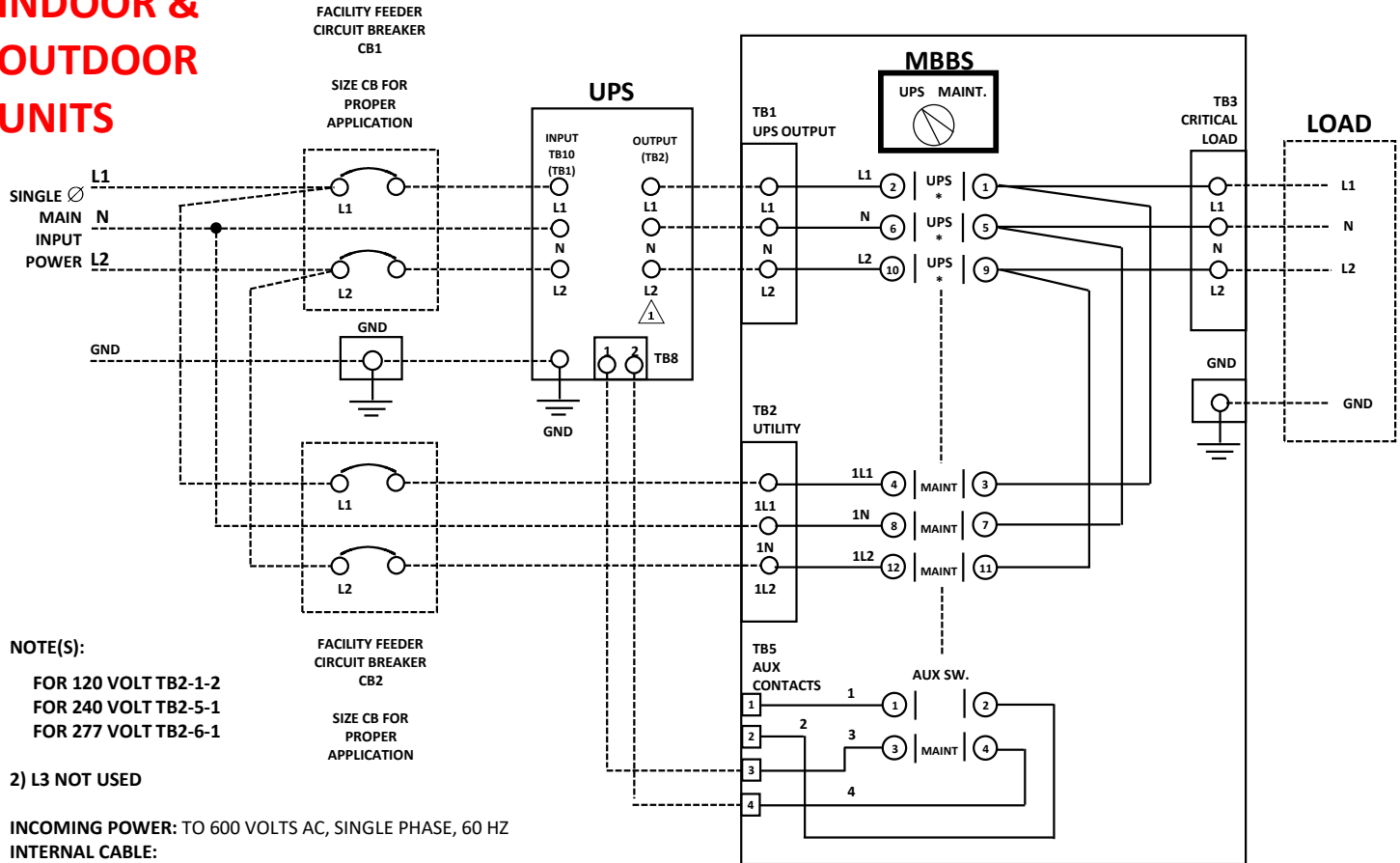
710-SV-TD-014

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1 OF 1

SINGLE-PHASE "MAKE BEFORE BREAK" EXTERNAL WRAP AROUND BY-PASS SWITCH

**INDOOR &
OUTDOOR
UNITS**

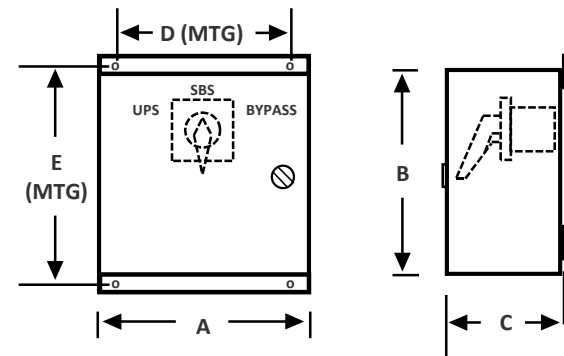


SWITCH DIMENSIONS

3000-046	175 AMPS	20	20	12	18.5	18.5
3000-045	110 AMPS	14	16	10	12	16.75
3000-044	55 AMPS	14	16	6	12	16.75
PART NUMBER	RATING	DIM A	DIM B	DIM C	DIM D (MTG)	DIM E (MTG)

SELECTION CHART FOR SINGLE PHASE UPS

KVA 3	KVA 5	KVA 7.5	KVA 10	KVA 15	KVA 20	FOR WIRING DIAGRAM SEE DWG
3000-044	3000-044	3000-044	3000-045	3000-045	3000-045	6001-032-11-S



NOTE(S):

- 1) SWITCH CONTACTS ARE SINGLE 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 SHOULD BE USED WITH SAME INPUT/OUTPUT VOLTAGE
- 6) WRAP AROUND BY-PASS SWITCH CAN ONLY BE USED WITHOUT ANY BUILT IN SECONDARY DISTRIBUTION CIRCUIT BREAKER IN UPS.

SUBJECT TO CHANGE WITHOUT NOTICE



**1-PH UPS, POWER RIDE 1
TECHNICAL DRAWINGS**

DRAWN : MT
APPVD : SS

12/01/22
12/01/22

710-TD-015

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A

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1 OF 1



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0501

HCAI Special Seismic Certification Preapproval (OSP)

Type: ☐ New ☒ 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@onlinepower.com

Product Information

Product Name: UPS and Batteries

Product Type: Lighting Inverter Systems

Product Model Number: See Attachment

General Description: Single phase or three phase emergency lighting inverter with battery backup inside of a carbon steel electrical cabinet enclosure.

Mounting Description: Rigid, Floor Mounted

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: TRU Compliance, by Structural Integrity Associates, Inc.

Contact Person: Galen Reid

Mailing Address: 5215 Hellyer Ave. Suite 210, San Jose, CA 95138

Telephone: (541) 604-7225

Email: greid@structint.com

Title: Director, TRU Compliance



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 ☒ ICC-ES AC156 ☐ IEEE 344 ☐ IEEE 693 ☐ NEBS 3

☐ Other (Please Specify): _____

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 Email: peer_center@berkeley.edu





DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
FACILITIES DEVELOPMENT DIVISION

Seismic Parameters

Design Basis of Equipment or Components (F_p/W_p) = 1.44 (SDS = 2.0g); 1.35 (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

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 05/04/2028

Date: 5/4/2022

Name: Mohammad Karim

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

Condition of Approval (if applicable):

OSP-0501

BY: Mohammad Karim

DATE: 05/04/2022

Title: Supervisor, Health Facilities

z/h = See Above

