

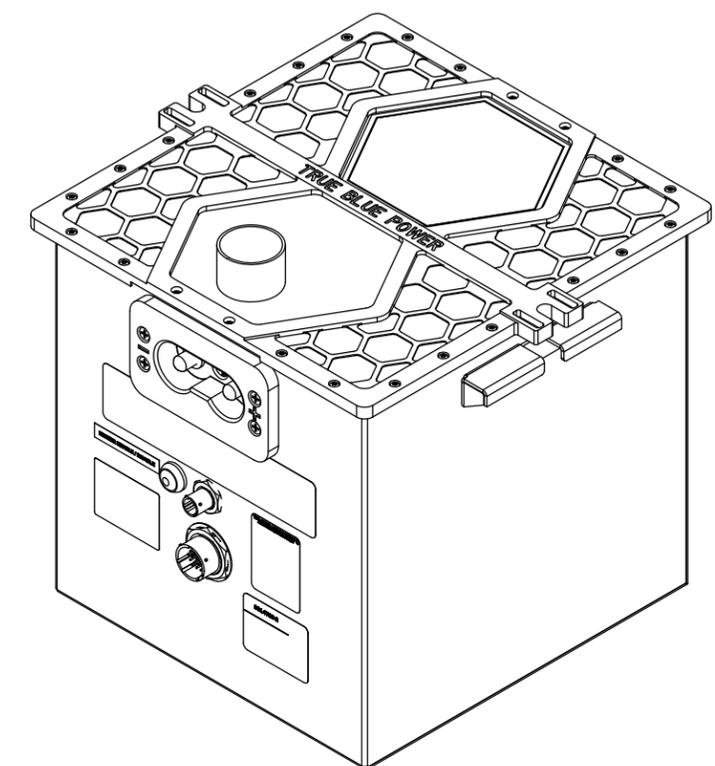
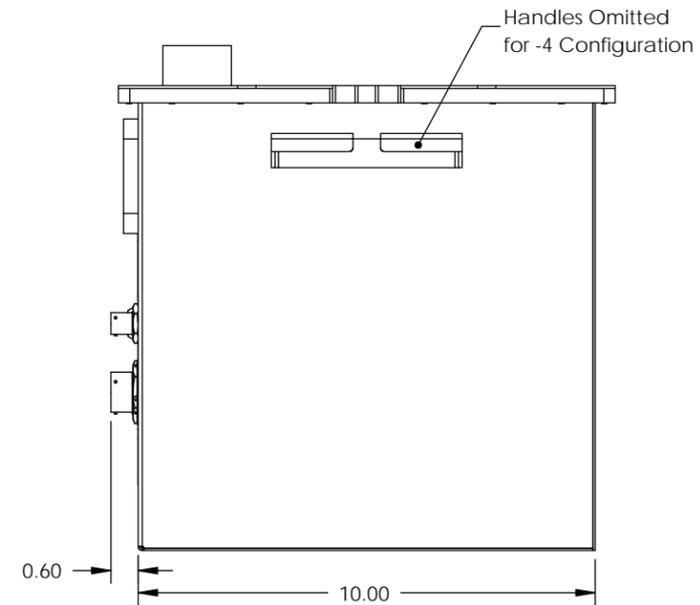
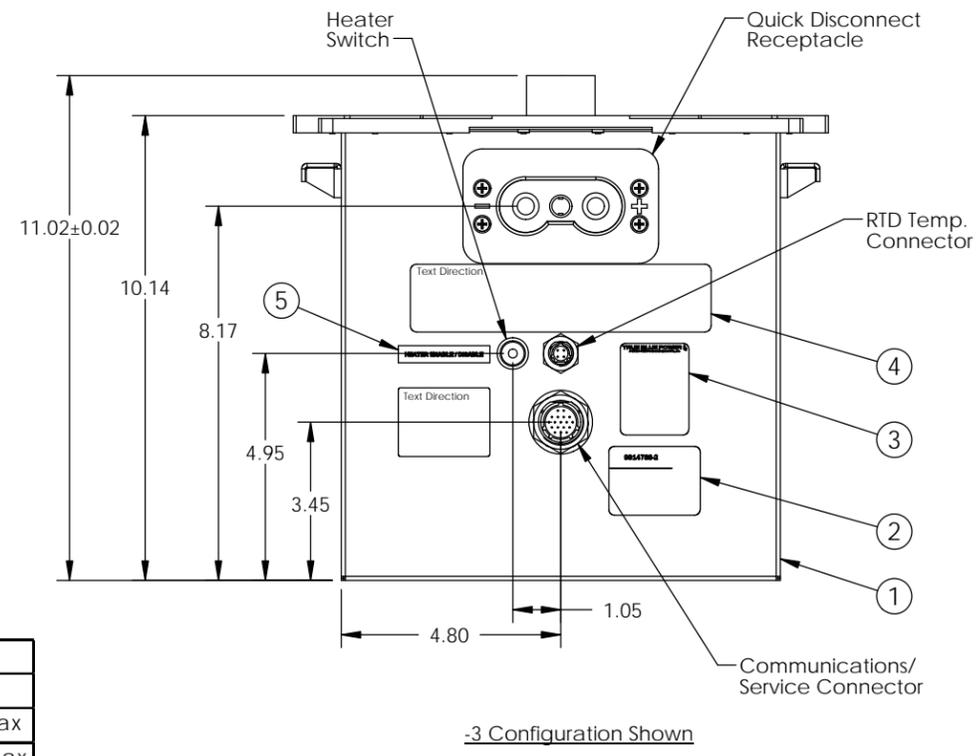
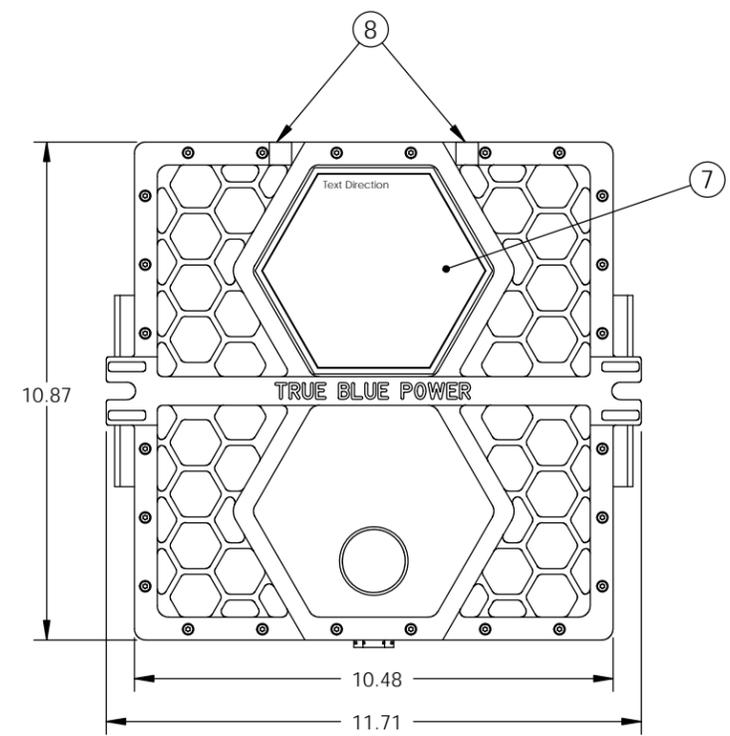
Configuration			
Dash #	Nameplate, Customer	Assy, MSB	Test Specification
-2	Omit	9017448	TS364
-3	9017754	9017448	TS363
-4	Omit	9017448-1	TS364
-5	Omit	9017448-2	TS364

Comm/Service Connector MS3114E14-18P	
Pin	Pin Function
A	Battery Pos (+) Terminal
B	Battery "OK" Contact A
C	Battery "FAIL" Contact A
D	Battery "FAIL" Contact B
E	Battery "MAINT" Contact A
F	Reserved
G	Serial Data Out
H	Serial Data In
J	ARINC Data Out B
K	ARINC Data Out A
L	Battery Neg (-) Terminal
M	Heater Enable
N	Battery Enable
P	Battery "OK" Contact B
R	Battery "MAINT" Contact B
S	Battery Identifier
T	Battery Identifier
U	Ground (Isolated)

RTD Connector MS3114E8-4P	
Pin	Pin Function
A	Pin 1 of RTD 1
B	Pin 2 of RTD 1
C	Pin 1 of RTD 2
D	Pin 2 of RTD 2

Quick Disconnect Receptacle MIL-PRF-18148/3 form factor	
Pin	Pin Function
+	BATTERY +
-	BATTERY -

Specifications	
Model Number	TB44
Power Input	28.5 VDC Nominal, 400A Max
Power Output	26.4VDC Nominal, 1500A Max
Rated Capacity	44Ah @ 23°C
Software Versions:	Boot Code - 1.3.0 Core Code - 1.3.2
Certification and Qualifications	RTCA DO-311 RTCA DO-160G FAA TSO-C179a EASA ETSO-C179a
Weight	51.7 lbs



Revision				
ECO	Rev.	Description	Date	Approved
		See obsolete drawing for revision history.		
7038	J	Changed 9019257-1 to 9019257-4.	04/11/19	VAA/MEK
7181	K	Removed MOD 1 from Notes. See service bulletins for MODs.	12/20/19	MKN/VAA
7208	L	Added note to show MODs.	03/10/20	MKN/MEK

Item	Qty	Part Number	Description
1	1	See config.	Assy, Main Ship Battery, 44 Ah
2	1	See config.	Nameplate, Customer
3	1	9017753	Nameplate, LI Battery
4	1	9017130	Label, True Blue Power
5	1	9018294	Label, Heater
6	1	9019257-4	Label, Battery, Charge Reminder
7	1	9017444	Label, Safety
8	2	6018956-1	Decal, Warranty, TBP

Note:
 MOD 1: Added flexible thermal link to busbars (and laminate blocks for stability). Replaced connector alignment bracket with a more robust bracket.
 MOD 2: Revised current sensor for improved low-current accuracy.

-3 Configuration Shown

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.
 TOLERANCE:
 .X=±0.065
 .XX=±0.015
 .XXX=±0.005
 .XXXX=±0.002
 ANGULAR=±0.5°
 WEIGHT: N.T.E.+5%
 BREAK ALL SHARP EDGES
 THREADS PER MIL-S-7742

DRAWN:
MKN
03/27/2014

APPROVED:
JDS
03/27/2014

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TITLE:
Advanced Lithium-Ion Battery

TRUE BLUE POWER
 A division of Mid-Continent Instrument Co., Inc.

PART NUMBER:
6430044

SCALE: 1:4 DO NOT SCALE THIS DRAWING SHEET: 1 of 1