

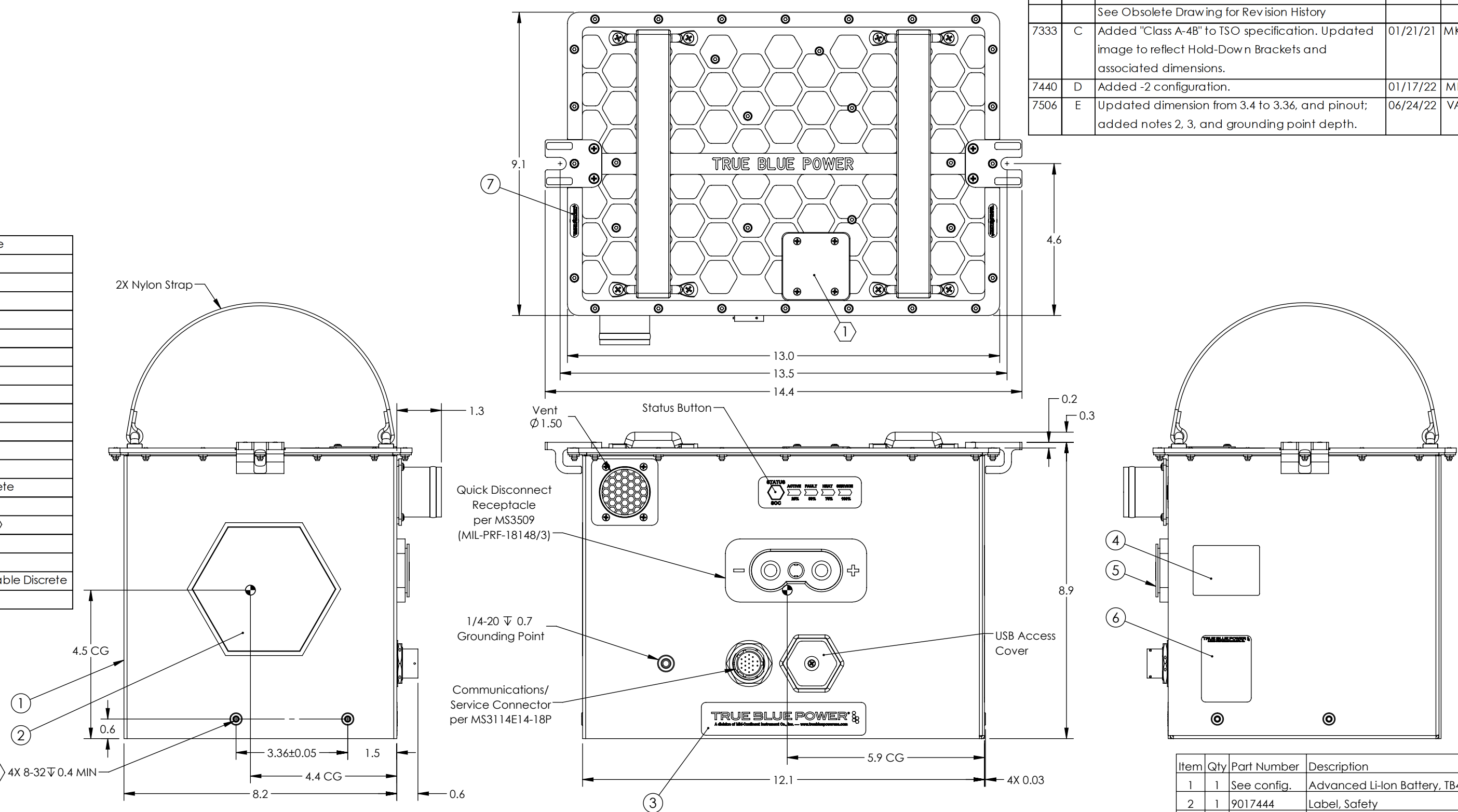
| Configuration | |
|---------------|-----------|
| Dash # | Battery |
| -1 | 9019325-1 |
| -2 | 9019325-2 |

| Revision | | | | |
|----------|------|---|----------|----------|
| ECO | Rev. | Description | Date | Approved |
| | | See Obsolete Drawing for Revision History | | |
| 7333 | C | Added "Class A-4B" to TSO specification. Updated image to reflect Hold-Down Brackets and associated dimensions. | 01/21/21 | MKN/WVC |
| 7440 | D | Added -2 configuration. | 01/17/22 | MKN/MEK |
| 7506 | E | Updated dimension from 3.4 to 3.36, and pinout; added notes 2, 3, and grounding point depth. | 06/24/22 | VAA/MKN |

| Comm/Service | |
|--------------|-----------------------------------|
| PIN | Description |
| A | Analog SOC |
| B | Battery Disable Input |
| C | Heater Disable Input |
| D | RTD-1A |
| E | RTD-1B |
| F | RTD-2A |
| G | RTD-2B |
| H | ARINC 429 (A) |
| J | Service Discrete |
| K | Fault Discrete |
| L | Heating Discrete |
| M | SOC Insufficient Discrete |
| N | Analog Ground |
| P | Spare/ BMS Ref ③ |
| R | Spare |
| S | ARINC Ground |
| T | Engine Start Unavailable Discrete |
| U | ARINC 429 (B) |

| Specifications | |
|----------------------------------|---|
| Model Number | TB40 |
| Power Input | 28.8 VDC Nominal, 400 A Max |
| Power Output | 26.4 VDC Nominal, 1500 A Max |
| Rated Capacity | 40 Ah @ 23 °C |
| Certification and Qualifications | FAA TSO-C179b, Class A-4B RTCA DO-311A RTCA DO-160G (See manual) |
| Weight | 36.6 lbs |
| Install Manual | MCIA P/N 9019288 |

Note:
 ① Alternate location for vent.
 ② Do not use for mounting battery.
 ③ BMS reference not applicable to -1 units.



| Item | Qty | Part Number | Description |
|------|-----|-------------|---------------------------------|
| 1 | 1 | See config. | Advanced Li-Ion Battery, TB40 |
| 2 | 1 | 9017444 | Label, Safety |
| 3 | 1 | 9017130-1 | Label, True Blue Power |
| 4 | 1 | 9019257-1 | Label, Battery, Charge Reminder |
| 5 | 1 | 9017439-1 | Dust Cap, Quick Disconnect |
| 6 | 1 | 9019113-3 | Nameplate, Li Battery |
| 7 | 2 | 6018956-1 | Decal, Warranty, TBP |

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.
 TOLERANCE:
 .X=±0.050
 .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
09/18/2018

APPROVED:
WVC
07/07/2019

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

TITLE:
Advanced Lithium-Ion Battery, 40 Ah

PART NUMBER:
6430040

SCALE: 1:3 DO NOT SCALE THIS DRAWING SHEET: 1 of 1