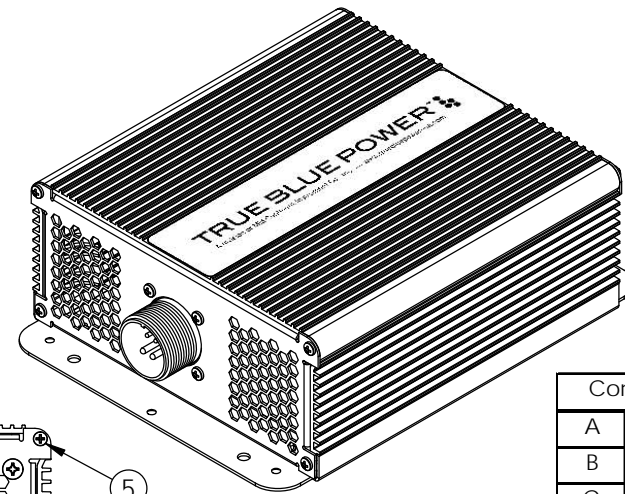
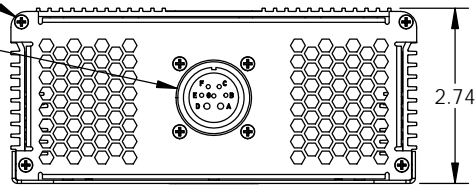
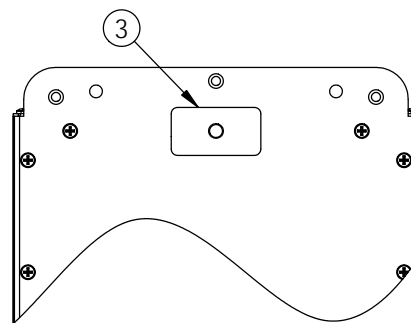
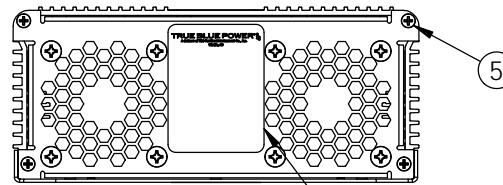


(4X) Ø0.20 Mounting Holes

Connector per MS3102A-18-9P



Connector Pinout	
A	24-32VDC Input
B	115VAC Output
C	Output Return
D	Input Return
E	Remote On/Off
F	Reserved
G	Remote Return



Specifications	
Model Number	TI500
Power Input	20-36 VDC, 17-25 Amps
Power Output	115 VAC, 60 Hz 500 VA, Wav eform: (Single Phase Sine Wav e)
Power Factor	-0.8 to +0.8
Features	86% Efficiency, Remote ON/OFF, Harmonic Distortion under 2.4%
Protection	Ov ertemp, Short Circuit, Underv oltag e, Ov erv oltag e
Overload	150% for 5 minutes
Weight	3.9 lbs
Qualification	FAA TSO-C73 RTCA DO-160F Env . Cat. F3(Y)S2BB[RCC1]XXXXXXZXXXXXBXXXXX
Temperature	-55°C to +70°C
Altitude	55,000 feet MAX
Mating Connector	MCIA p/n 9016905-1 (MS3106A-18-9S or equiv alent)
Case	Anodized Aluminum, Blue

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.
TOLERANCE:
FRACTIONAL= ±1/64
.XX= ±0.015
.XXX= ±0.005
.XXXX= ±0.002
ANGULAR= ±0.5°
CONCENTRICITY: 0.005 TIR
BREAK ALL SHARP EDGES
THREADS PER MIL-S-7742

DRAWN:
MKN
2/25/2010

APPROVED:
BAW
3/4/2010

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

TITLE:
Static Inverter, 500VA

PART NUMBER:
MD50

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

Revision				
ECO	Rev.	Description	Date	Approved
		See obsolete drawings for revision history.		
5823	E	Update to logo and addition of model name.	08/24/12	JDS/MKN
6092	F	Corrected MCIA Mating Connector P/N to 9016905-1.	12/23/13	MKN/JDS
6184	G	Changed Warr. Decal to 6018956-1 (TBP version).	05/12/14	ScH/TKV

Item	Qty	Part Number	Description
1	1	9016914	MD50, Inverter Assy
2	1	9017029	Nameplate, MD50
3	1	6018956-1	Decal, Warranty TBP
4	1	9017130	Label, True Blue Power
5	A/R	F-900	Seal, Torque