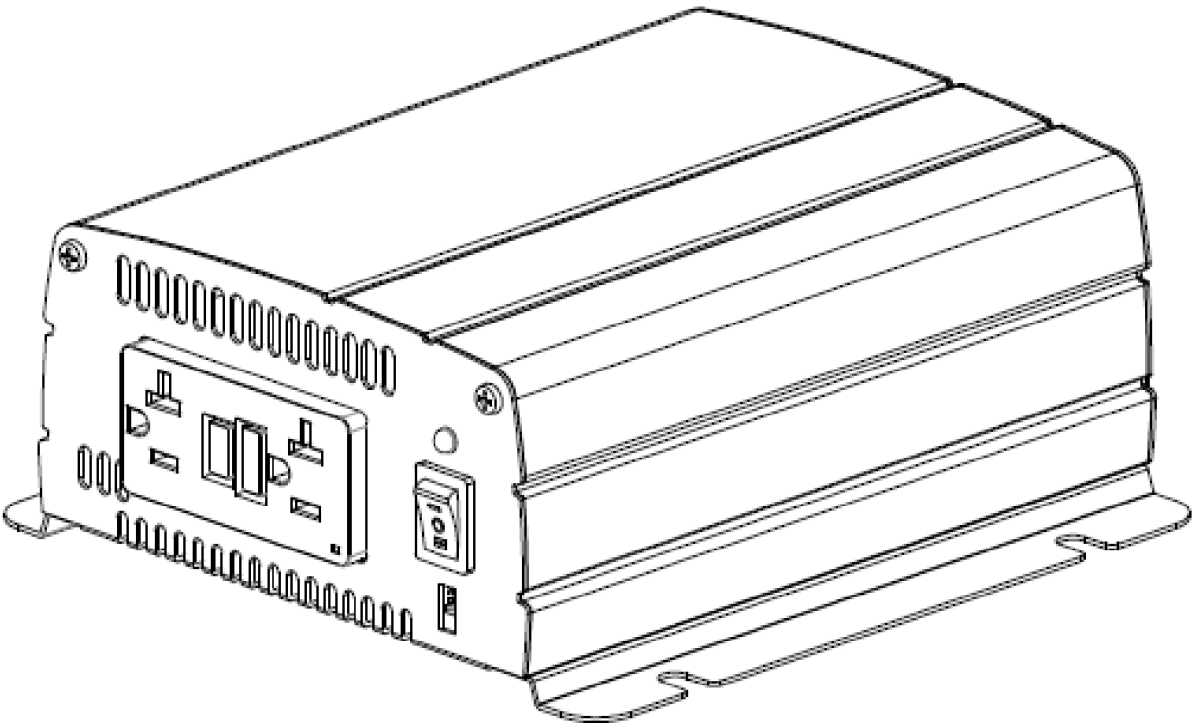


PURCHASED
COMPONENT
KEY FEATURES

DESCRIPTION OF REQUIREMENTS
DIMENSIONAL REQUIREMENTS (AS SHOWN ON DRAWING)
N/A
LOAD/RATING REQUIREMENT
N/A
MATERIAL REQUIREMENT
N/A
PACKAGING REQUIREMENT
N/A
OTHER REQUIREMENTS
N/A

TS Series 400 Watt
Pure Sine Wave
Inverter



Electrical	Specification	Model No.	
	Item	TS12-400	TS24-400
Input Characteristics	Voltage	12VDC	24VDC
	Input Over-Voltage Protection [®]	16.0 ± 0.3VDC	32 ± 0.5VDC
	Input Under-Voltage Protection	10.5 ± 0.3VDC	21 ± 0.5VDC
	Voltage Range	10.5~16.0VDC	21~32VDC
	No Load Current	< 1A @12VDC	< 0.5A @24VDC
	Power Saving Mode	< 0.2A @12VDC	< 0.1A @24VDC
Output Characteristics	Continuous Output Power	400 W (± 3%)	
	Surge Power (30Sec)	< 600 W	
	Frequency	50 / 60 Hz ± 0.5% (Dip Switch Selectable)	
	Output Voltage	100 / 110 / 115 / 120 VAC (± 5%) (Dip Switch Selectable)	
	Efficiency (Typ.)	88%	89%
	Short-Circuit Protection	1 Sec Shutdown	
Signal and Control	Output Waveform	Pure Sine Wave (THD < 5%@ Normal Load) *	
	LED Indicator	Red / Orange / Green LED	
Protection	Remote Control Terminal	2-port Green terminal (for Inverter ON / OFF)	
	Input Protection	Over / Under Voltage, Reverse Polarity (Internal Fuse)	
	AC Output Protection	Short-Circuit, Overload	
Environment	Others	Over / Under Temperature Protection (by Heat sink Temperature +80°C/-25°C)	
	Operating Temp.	-20°C ~40°C [®]	
	Storage Temp.	-30°C~70°C	
Safety & EMC	Storage Temp. & Humidity	10 ~95% RH	
	Safety Standards	Certified UL 458	
	EMC standards	Certified FCC class B	
Dimension(WxHxD)		7.02 X 2.99 X 8.20 inch	
Weight		3.70 lb	
Cooling		Temperature & Load Controlled cooling Fan	

THIS DRAWING IS THE PROPERTY OF ADRIAN STEEL COMPANY AND IS NOT TO BE USED IN ANY MANNER
DETRIMENTAL TO THE INTERESTS OF ADRIAN STEEL COMPANY

TOLERANCES & INSPECTION	RELEASE & REVISIONS
UNLESS OTHERWISE SPECIFIED	INITIAL ECN: 27378
ALL BEND ANGLES ARE 90 DEGREES	CURRENT ECN: 27378
ALL DIMENSIONS ARE IN INCHES.	ECN DESCRIPTION:
REFERENCE DIMENSIONS (X.XXX) DO NOT REQUIRE INSPECTION	RELEASE FOR JCI SPECIFIC PRICING
FEATURES 0.0 = ± .125 0.00 = ± .062 0.000 = ± .031	REVISED BY: LJK
HOLES/SLOTS 0.0 = ± .062 0.00 = ± .031 0.000 = ± .015	
ANGLES 0° = ± 2° 0.0° = ± 1°	
Material Thickness: per ASTM Std. Weld Callouts per AWS	

PURCHASED COMPONENT
REFERENCED SUPPLIER AND/OR MANUFACTURER VANNER
REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER TS12-400
COLOR (ONLY LIST IF COLOR SPECIFIC)
COMMODITY ITEM (Y/N) (YES = ALL DIMENSIONS AND NOTES ARE REFERENCE) (NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.)
NO

PRINTED DOCUMENT IS UNCONTROLLED

Sheet 1 of 1

PART / PRODUCT IDENTIFICATION			
 ADRIAN STEEL®	ADRIAN STEEL COMPANY 906 JAMES STREET, ADRIAN, MI 49221		REVISION LEVEL
			A
MAT'L USED:		DESIGNED BY: LJK	
DESCRIPTION: INV TS12-400			
WEIGHT (Lbs.): 6	SEGMENT CODE: EIN	PART NUMBER: 63789JCI	