

THE

THOR

M A N U F A C T U R I N G

PRODUCT CATALOG

*The Upfitters' #1 choice
for Power Conversion
Products since 2008!*

THOR TOUGH THOR POWER



WHO IS THOR?

THOR Manufacturing produces a full range of 12 volt power solutions to meet your mobile power supply needs! THOR Manufacturing products include Pure and Modified Sine Wave Inverters, Pure Sine Wave Inverter Chargers, Battery Chargers, Transfer Switches and numerous accessories! At THOR Manufacturing we provide a unique program that supports both the professional and end user, blended with our innovative product offering that focuses on exceeding our customers' needs for portable and renewable energy needs.

Our core industry applications include: Renewable Energy, Automotive, Retail, Cellular, Consumer, Hunting, Industrial, Marine, Medical Mobility, OEM, Security, and Telecommunications. Don't see what you are looking for? THOR Manufacturing also offers custom manufacturing services for specialty components and finished power conversion products.

Industries we serve

- Fleet and Specialty Vehicles
- Work Trucks
- Utility Trucks
- Recreational Vehicles
- Alternative Energy
- Communication
- Marine
- OEM Services
- Medical Mobility

OUR COMMITMENT TO EXCELLENCE

At THOR Manufacturing we are dedicated to creating value for our customers by effectively collaborating, expanding and delivering products and solutions that enhance productivity. We understand the needs of small start-ups, large enterprises, to those of major retailers, and we are well-equipped to serve a spectrum of customers.

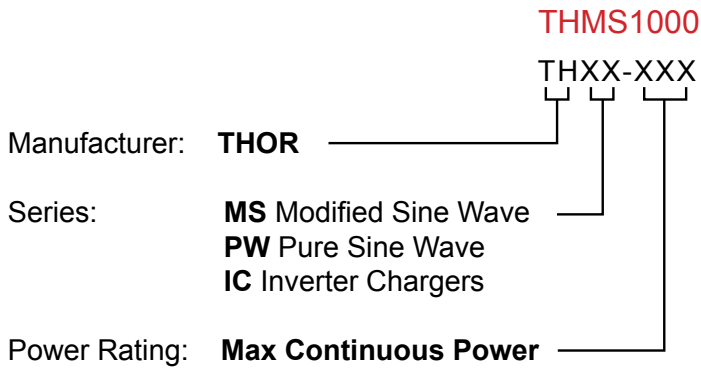
We strongly emphasize teamwork, sound work ethics and values within our corporate structure. We believe that in promoting and building strong fundamentals from within our organization, it will translate to engaging better client relationships. In that regard, we always strive to learn, improve, innovate, and to in turn, better serve our customers.

Business is a necessary part of all of our lives, but doing business responsibly and with people who enjoy what they do is a commitment that we make to all of our business partners.

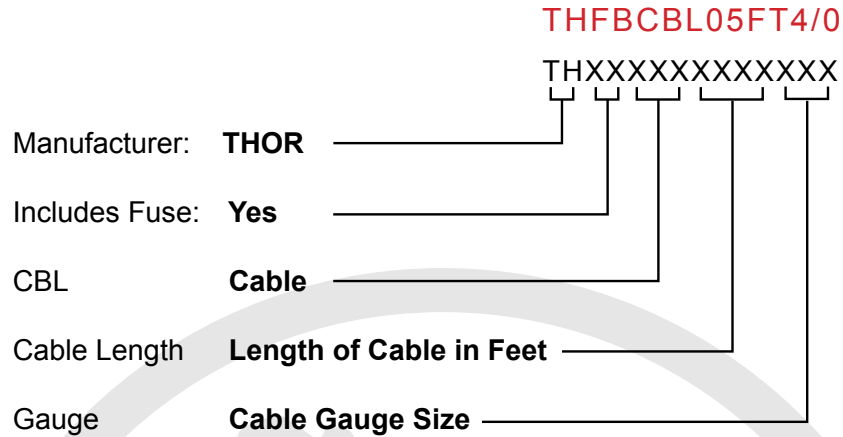
Breaking down THOR's Part Number Ordering Code:

If you have a THOR Manufacturing product and do not understand the part number code, the diagram below offers a detailed explanation. Each THOR Manufacturing part number code is built from all the relevant information that comprises THOR Manufacturing's products design elements.

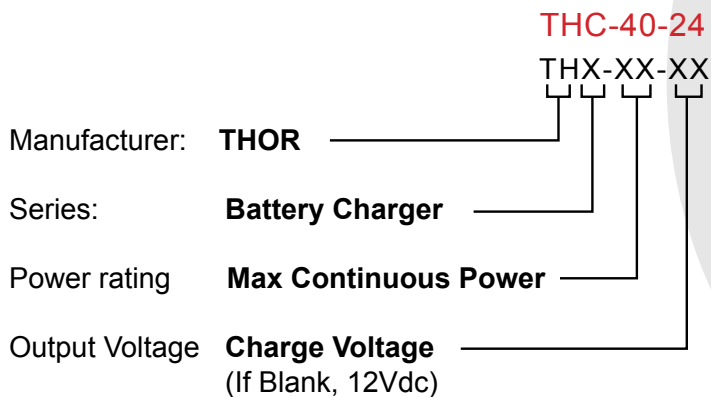
THOR LARGE INVERTERS



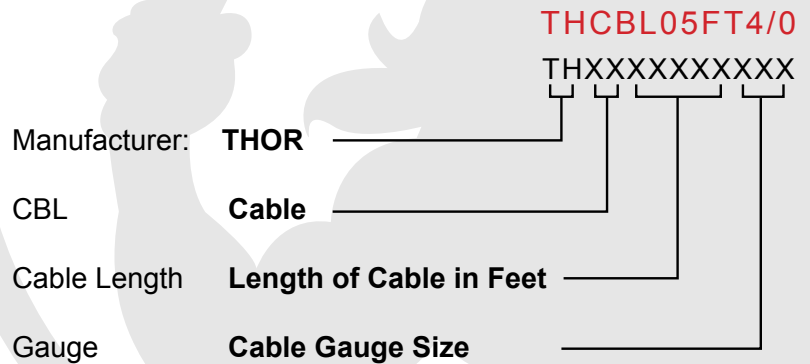
THOR INVERTER INSTALL KIT



THOR BATTERY CHARGERS



THOR INVERTER CABLE SETS



PPI Series™
Portable Power Inverter
Portable Power Inverters



THMS800-PPI

800 WATT – 1600 WATT PEAK

**Optional TH-RC with Error Code Display



TH100-PPI

100 WATT
200 WATT PEAK



TH200-PPI

200 WATT
400 WATT PEAK



THPW300-PPI

300 WATT
600 WATT PEAK
PURE SINE WAVE



THMS500-PPI

500 WATT
1000 WATT PEAK

TH & THMS-PPI Series

THOR Manufacturing Modified and Pure Sine Wave inverters have set the standard with the way you deal with your mobile power needs, providing AC electricity. A power inverter converts the DC electricity from batteries into everyday AC power. With a THOR Manufacturing inverter you won't need to rely on DC-powered electronics or a generator to have power for tools, electronics, or any AC power needs.

THOR Manufacturing TH & THMS Series Modified and Pure Sine Wave inverters are efficient and dependable and come in numerous sizes and power ranges to meet your mobile power demands. We offer lightweight, compact models designed for smaller AC demands such as laptops, cellular phones, PDA's and higher powered models that yield enough power for larger vehicles such as utility & work trucks, RV's, boats, & renewable energy applications.

Design Features

- High surge capability
- AC receptacles for connecting multiple loads
- Thermo controlled fan
- On/Off Switch to conserve power
- Compact, lightweight, & portable
- USB port for charging tablet and smart devices

Applications

- RVs and Campers
- Long Haul Trucks
- Boats
- Mobile Office
- Service Vehicles
- Emergency Back-up Power
- Utility Trucks

	MODEL	TH100-PPI	TH200-PPI	THPW300-PPI	THMS500-PPI	THMS800-PPI
INPUT	Nominal DC Inout Voltage	12 VDC				
	DC Input Voltage range	10.7 - 16.5 Vdc				
	Maximum Continuous Input Current	9A	18A	54A	49A	79A
	DC Input Connections	Male Accessory Plug			Nut & Bolt	Nut & Bolt
OUTPUT	Output Voltage	120 VAC				
	Maximum Output Current	.90 A	1.81 A		4.5 A	7.3 A
	Output Frequency	60 Hz ± 1 %				
	Type Of Wave Form	Modified Sine Wave	Modified Sine Wave	Pure Sine Wave	Modified Sine Wave	Modified Sine Wave
	Continuous Output Power	100	200	300	500	800
	Max Output for 10 Min - 10% over inverters rated continuous wattage	n/a	n/a	n/a	550	880
	Surge Output Power	200	400	600	1000	1600
	Peak Efficiency	85 - 90%				
	USB Charging Port	(1) 5V - 2.1A	(1) 5V - 2.1A (1) 5V - 1A	(1) 5V - 2.1A (1) 5V - 1A	(2) 5V - 2.1A	(2) 5V - 2.1A
	AC Output Connection	1 x NEMA5-15R Outlets	2 x NEMA5-15R Outlets	2 x NEMA5-15R Outlets	2 x NEMA5-15R Outlets	2 x NEMA5-15R Outlets
	Terminal Block for Hardwiring	No				
DISPLAY	Display	2 LED Display (Green Power On, Red Fault Condition)				
	Low Input Voltage	RED LED	RED LED	RED LED	RED LED	RED LED
	High Input Voltage	RED LED	RED LED	RED LED	RED LED	RED LED
	Overload Shut Down	RED LED	RED LED	RED LED	RED LED	RED LED
	Over Temperature	RED LED	RED LED	RED LED	RED LED	RED LED
	Ground Fault Protection	RED LED	RED LED	RED LED	RED LED	RED LED
PROTECTION	Low Input Voltage Alarm	10.7V ±0.1V	10.7V ±0.1V	10.7V ±0.1V	10.7V ±0.1V	10.7V ±0.1V
	Low DC Input Voltage Shutdown	10V ± 0.1V Auto-reset: 11.5V ± 0.3V				
	High DC Input Voltage Shutdown	>16.5V Auto-reset: <16.5V				
	Short Circuit Shutdown	When Output Voltage Drops Below 80VAC or Lower for 1 to 1.5 sec				
	Overload Shut Down	Overload of 110% to 115% for 2 to 2.5 sec				
	Ground Fault Shutdown	Intergrated GFCI Circuit (4- 6 mA Leakage)				
	Over Temperature Protection	90°C ± 5°C (Sensed At output) Auto reset at 65°C ± 5° C				
	Reverse Polarity Protection	Internal DC Fuses will open				
Cooling	Temperature Controlled Fan / Load Controlled Fans 45 Watts					
REMOTES SOLD SEPERATLY	TH-002	On/ Off Remote With Bi-Color Illuminating Ring *For TH-500 & 800- PPI				
	TH-RC	On/off Remote with Digital Display *For TH-500 & 800- PP				
	Dimensions	5.75L x 3.90W x 1.4"H	4.5L x 6.0W x 2"H	7L x 4.5W x 2"H	7.8L X W 4.87W X 2.63"H	10.47L x 6.6W x 2.63"H
	Weight	1.5 Lbs	1.6 Lbs	1.76 Lbs	2.5 Lbs	4.1 Lbs
	UPC CODE	853003006339	853003006322	0852090008	852090008325	852090008332
	Warranty	1 Year	1 Year	1 Year	1 Year	1 Year

MS Series
Professional Grade Power Inverter
Worktruck Power Inverters



THMS5000
5000 WATT – 10000 WATT PEAK

Other Models



THMS1000
1000 WATT
2000 WATT PEAK



THMS1500
1500 WATT
3000 WATT PEAK



THMS2000
2000 WATT
4000 WATT PEAK



THMS3000
3000 WATT
6000 WATT PEAK

THMS Series

THOR Manufacturing Modified Sine Wave inverters have set the standard with the way you deal with your mobile power needs, providing AC electricity. A power inverter converts the DC electricity from batteries into everyday AC power. With a THOR Manufacturing inverter you won't need to rely on DC-powered electronics or a generator to have power for tools, electronics or any AC power needs.

THOR Manufacturing THMS Series Modified Sine Wave inverters are efficient and dependable and come in numerous sizes and power ranges to meet your mobile power demands. We offer lightweight, compact models designed for smaller AC demands such as laptops, cellular phones, PDA's and higher powered models that yield enough power for larger vehicles such as utility & work trucks, RV's, boats, & renewable energy applications.

Design Features

- Easy to read Error Code Display
- 4 120 Volt AC receptacles connecting multiple loads
- Hard wire block for installing additional AC outlets (TH-EXT).
- On/Off remote control port
- Digital volt meter and wattage usage
- High surge capability
- Thermo controlled fan
- Compact, lightweight, & portable
- USB port for charging tablets and smart devices
- Additional mounting brackets for easy installation

Error Code Display

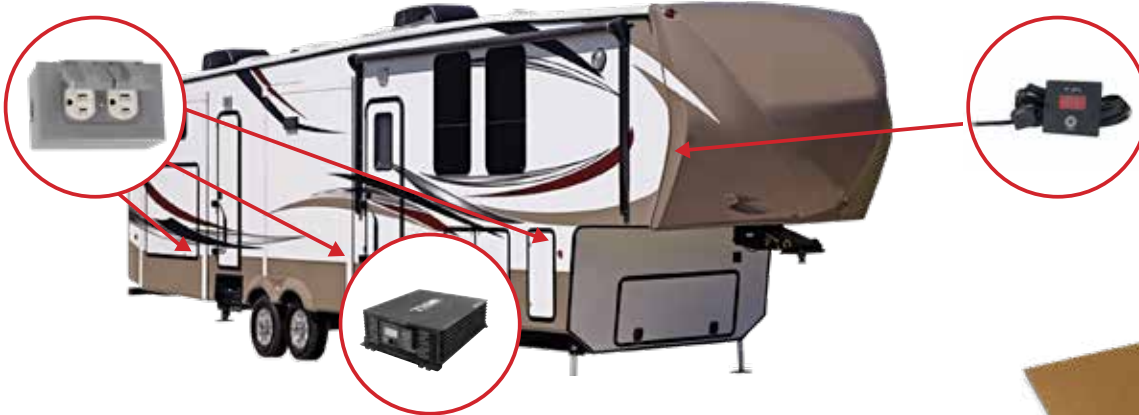


OVERLOAD SHUTDOWN

Hard Wire Block



MODEL		THMS1000	THMS1500	THMS2000	THMS3000	THMS5000
INPUT	Nominal DC Inout Voltage	12 VDC				
	DC Input Voltage range	10.7 - 16.5 Vdc				
	Maximum Input Current	180	270	360	540	899
	DC Input Connections	Bolt Down Lugs	Nut & Bolt M9	Nut & Bolt M9	Nut & Bolt M9	Nut & Bolt M9
OUTPUT	Output Voltage	120 Vac				
	Maximum Output Current	10 Amps	15 Amps	20 Amps	30 Amps	50 Amps
	Output Frequency	60 Hz ± 1 %				
	Type Of Wave Form	Modified Sine Wave				
	Max Output for 10 Min - 10% over inverters rated continuous wattage	1100 Watts	1650 Watts	2200 Watts	3300 Watts	5500 Watts
	Continuouse Output Power	1000 Watts	1500 Watts	2000 Watts	3000 Watts	5000 Watts
	Surge Output Power	2000 Watts	3000 Watts	4000 Watts	6000 Watts	10000 Watts
	Peak Efficiency	85 - 90%				
	USB Charging Port	(1) 5V - 2.1A				
	AC Output Connection	4 x NEMA5-15R Outlets				
	Terminal Block for Hardwiring	Yes				
DISPLAY	Display	Digital Display With Error Codes				
	Low Input Voltage	E01				
	High Input Voltage	E02				
	Overload Shut Down	E03				
	Over Temperature	E04				
	Ground Fault Protection	E05				
PROTECTION	Low Input Voltage Alarm	10.7V ±0.1V				
	Low DC Input Voltage Shutdown	10V ± 0.1V Auto-reset: 11.5V ± 0.3V				
	High DC Input Voltage Shutdown	>14.5V Auto-reset: <14.5V				
	Short Circuit Shutdown	When Output Voltage Drops Below 80VAC or Lower for 1 to 1.5 sec				
	Overload Shut Down	Overload of 110% to 115% for 2 to 2.5 sec				
	Ground Fault Shutdown	Intergrated GFCI Circuit (4- 6 mA Leakage)				
	Over Temperature Protection	90°C ± 5°C (Sensed At output) Auto reset at 65C ± 5° C				
	Reverse Polarity Protection	Internal DC Fuses will open				
	Cooling	Temperature Controlled Fan / Load Controlled Fans 45 Watts				
REMOTES SOLD SEPERATLY	TH002	On/ Off Remote with Bi-Color Illuminating Ring				
	TH-RC	On/off Remote with Digital Display				
	TH-IRC	On/Off Remote with Digital Display, 1 AC outlet, 1 USB charging port				
	TH-IBS	Inverter Bypas Switch				
	Dimensions	7.16L x 8.5W x 3.34"H	9.1L x 8.5W x 3.34"H	13.77L x 8.5W x 3.34"H	17.32L x 8.5W x 3.34"H	17.7L x 8.5W x 6.62"H
	Weight	6.3Lbs	9Lbs	10.75Lbs	14.25Lbs	25Lbs
	UPC CODE	853003006254	853003006261	853003006278	853003006285	853003006636
	Warranty	1 Year	1 Year	1 Year	1 Year	1 Year



Design Features:

- Install Kits insure Inverter and A/C output efficiency
- Install Kits allow for quick, easy and safe installation
- Increased battery protection and life of battery
- Ensure correct size cable, fuse and accessories

TURN YOUR VEHICLE BATTERY INTO A MOBILE GENERATOR

Take the guesswork out of installing your THOR power inverter. Pre-assembled, the inverter kits allow for a quick, easy and safe installation of the high power THOR inverters and require no special tools. It is imperative that in any inverter's permanent installation, you use the appropriate material to get the best performance, prevent overheating and avoid added maintenance costs or damages.

THOR KITS are highly recommended for all mobile applications to ensure superior safety and efficiency. THOR Manufacturing offers the 500W, 800W, 1000W, 1500W, 2000W, 3000W and 5000W models with complete install kits.



THOR
Inverter
Install Kits
Automatically
Extend
current THOR
Warranty
by 1 Year!

Item	Description
THMS500-PPI KIT1	THMS500-PPI, THOR remote, 10 ft of 4 Awg cable and lugs
THMS500-PPI KIT2	THMS500-PPI, THOR remote, 10 ft of 4 Awg cable with 50 Amp fuse with block
THMS500-PPI KIT3	THMS500-PPI, THOR remote, 10 ft of 4 Awg cable, 50 Amp fuse with block and 80 Amp Isolator
THMS800-PPI KIT1	THMS800-PPI, THOR remote, 10 ft of 4 Awg cable and lugs
THMS800-PPI KIT2	THMS800-PPI, THOR remote, 10 ft of 4 Awg cable with 80 Amp fuse with block
THMS800-PPI KIT3	THMS800-PPI, THOR remote, 10 ft of 4 Awg cable, 80 Amp fuse with block and 80 Amp Isolator
THMS1000 KIT1	THMS1000, THOR remote, 10 ft of 1/0 cable and lugs
THMS1000 KIT2	THMS1000, THOR remote, 10 ft of 1/0 cable with 100 Amp fuse with block
THMS1000 KIT3	THMS1000, THOR remote, 10 ft of 1/0 cable 100 Amp fuse with block and 80 Amp Isolator
THMS1000 PRO KIT	THMS1000, THOR remote, 15 FT of 1/0 cable, 100 Amp fuse with block, 80 Amp Isolator and TH-EXT (TH-IBS Included)
THMS1500 KIT1	THMS1500, THOR remote, 10 ft of 1/0 cable and lugs
THMS1500 KIT2	THMS1500, THOR remote, 10 ft of 1/0 cable with 150 Amp fuse with block
THMS1500 KIT3	THMS1500, THOR remote, 10 ft of 1/0 cable, 150 Amp fuse with block and 200 Amp Isolator
THMS1500 PRO KIT	THMS1500, THOR remote, 15 FT of 1/0 cable, 150 Amp fuse with block, 200 Amp Isolator and TH-EXT (TH-IBS Included)

Item	Description
THMS2000 KIT1	THMS2000, THOR remote, 10 ft of 1/0 cable and lugs
THMS2000 KIT2	THMS2000, THOR remote, 10 ft of 1/0 cable with 200 Amp fuse with block
THMS2000 KIT3	THMS2000, THOR remote, 10 ft of 1/0 cable, 200 Amp fuse with block and 200 Amp Isolator
THMS2000 PRO KIT	THMS1500, THOR remote, 15 FT of 1/0 cable, 150 Amp fuse with block, 200 Amp Isolator and TH-EXT (TH-IBS Included)
THMS3000 KIT1	THMS3000, THOR remote, 10 ft of 3/0 cable and lugs
THMS3000 KIT2	THMS3000, THOR remote, 10 ft of 3/0 cable with 300 Amp fuse with block
THMS3000 KIT3	THMS3000, THOR remote, 10 ft of 3/0 cable, 300 Amp fuse with block and 500 Amp Isolator
THMS3000 PRO KIT	THMS3000, THOR remote, 15 FT of 3/0 cable, 300 Amp fuse with block, 500 Amp Isolator and TH-EXT (TH-IBS Included)
THMS5000 KIT1	THMS5000, THOR remote, 10 ft of 4/0 cable and lugs
THMS5000 KIT2	THMS5000, THOR remote, 10 ft of 4/0 cable with 500 Amp fuse with block
THMS5000 KIT3	THMS5000, THOR remote, 10 ft of 4/0 cable, 500 Amp fuse with block and 500 Amp Isolator
THMS5000 PRO KIT	THMS5000, THOR remote, 15 FT of 4/0 cable, 500 Amp fuse with block, 500 Amp Isolator and TH-EXT (TH-IBS Included)

WHAT DO THOR INSTALLATION KITS INCLUDE?

THOR has a perfect KIT for every installation, from standalone install, Ignition controlled install or Voltage controlled install THOR has a kit for you!

THOR Remote Control: Unit can be manually turned On/Off either using the On/Off Button on the front of the inverter or with a THOR On/Off Switch.

Ignition Controlled Install: Inverter can automatically turn On/Off with vehicles ignition. THOR Inverter Install Kits can extend battery life and can avoid dead or drained vehicle batteries.

Voltage Controlled Install: Inverter can automatically turn On/Off when voltage of vehicles battery reaches or drops below a preset voltage. Once proper battery voltage is achieved inverter will automatically turn on. THOR Inverter Install Kits can extend battery life and can avoid dead or drained vehicle batteries.

GOOD	BETTER	BEST	PROFESSIONAL
KIT 1	KIT 2	KIT 3	PRO KIT
✓ Includes Inverter	✓ Includes Inverter	✓ Includes Inverter	✓ Includes Inverter
✓ Includes Cables	✓ Includes Cables	✓ Includes Cables	✓ Includes Cables
✓ Includes Remote	✓ Includes Remote	✓ Includes Remote	✓ Includes Remote
✗ Includes Fuse	✓ Includes Fuse	✓ Includes Fuse	✓ Includes Fuse
✗ Includes TH-IBS	✗ Includes TH-IBS	✓ Includes TH-IBS	✓ Includes TH-IBS
✗ Includes THI	✗ Includes THI	✓ Includes THI	✓ Includes THI
✗ Includes Isolator	✗ Includes Isolator	✓ Includes Isolator	✓ Includes Isolator
✗ Includes 15ft Cable	✗ Includes 15ft Cable	✗ Includes 15ft Cable	✓ Includes 15ft Cable
✗ Includes TH-EXT	✗ Includes TH-EXT	✗ Includes TH-EXT	✓ Includes TH-EXT

PW Series [®]
Professional Grade Power Inverter
Portable Power Inverters



THPW5000

5000 WATT – 10000 WATT PEAK

Other Models



THPW600
600 WATT
1200 WATT PEAK



THPW1000
1000 WATT
2000 WATT PEAK



THPW1500
1500 WATT
3000 WATT PEAK



THPW2000
2000 WATT
4000 WATT PEAK



THPW3000
3000 WATT
6000 WATT PEAK

THPW Series

THOR Manufacturing Pure Sine Wave inverters have set the standard with the way you deal with your mobile power needs, providing AC electricity. A power inverter converts the DC electricity from batteries into everyday AC power. With a THOR Manufacturing inverter you won't need to rely on DC-powered electronics or a generator to have power for tools, electronics, or any AC power needs.

THOR Manufacturing THPW Series Pure Sine Wave inverters are efficient and dependable and come in numerous sizes and power ranges to meet your mobile power demands. We offer compact, higher powered models that yield enough power for larger vehicles such as utility & work trucks, RV's, boats, & renewable energy applications.

Design Features

- Easy to read error codes
- GFCI outlet
- Hard wire block for installing additional AC outlets (TH-EXT)..
- On/Off remote control port
- Digital volt meter and wattage usage
- High surge capability
- Thermo controlled fan
- Compact, lightweight, & portable
- USB port for charging tablets and smart devices
- Additional mounting brackets for easy installation

Error Code Display



OVERLOAD SHUTDOWN

Hard Wire Block



MODEL	THPW600	THPW1000	THPW1500	THPW2000	THPW3000	THPW5000	
INPUT	Nominal DC Inout Voltage	12 VDC					
	DC Input Voltage range	10.7 - 16.5 Vdc					
	Maximum Input Current	118	180	270	360	540	899
	DC Input Connections	Bolt Down Lugs	Bolt Down Lugs	Nut & Bolt M9	Nut & Bolt M9	Nut & Bolt M9	Nut & Bolt M9
OUTPUT	Output Voltage	Output Voltage Selectable 110Vac or 120Vac					
	Maximum Output Current	6 Amps	10 Amps	15 Amps	20 Amps	30 Amps	50 Amps
	Output Frequency	60 Hz ± 1 %					
	Type Of Wave Form	Pure Sine Wave					
	Total Harmonic Distortion	THD <3%					
	Max Output for 10 Min - 10% over inverters rated continuous wattage	660 Watts	1100 Watts	1650 Watts	2200 Watts	3300 Watts	5000 Watts
	Continuouse Output Power	600 Watts	1000 Watts	1500 Watts	2000 Watts	3000 Watts	5000 Watts
	Surge Output Power	1200 Watts	2000 Watts	3000 Watts	4000 Watts	6000 Watts	10000 Watts
	Peak Efficiency	85 - 90%					
	USB Charging Port	(1) 5V - 2.1A					
	AC Output Connection	1 GFCI Duplex	1 GFCI Duplex	1 GFCI Duplex	1 GFCI Duplex	1 GFCI Duplex	2 GFCI Duplex
	Terminal Block for Hardwiring	Yes					
DISPLAY	Display	Digital Display With Error Codes					
	Low Input Voltage	E01					
	High Input Voltage	E02					
	Overload Shut Down	E03					
	Over Temperature	E04					
	Ground Fault Protection	E05					
PROTECTION	Low Input Voltage Alarm	10.7V ±0.1V					
	Low DC Input Voltage Shutdown	10V ± 0.1V Auto-reset: 11.5V ± 0.3V					
	High DC Input Voltage Shutdown	>14.5V Auto-reset: <14.5V					
	Short Circuit Shutdown	When Output Voltage Drops Below 80VAC or Lower for 1 to 1.5 sec					
	Overload Shut Down	Overload of 110% to 115% for 2 to 2.5 sec					
	Ground Fault Shutdown	Intergrated GFCI Circuit (4- 6 mA Leakage)					
	Over Temperature Protection	90°C ± 5°C (Sensed At output) Auto reset at 65°C ± 5° C					
	Reverse Polarity Protection	Internal DC Fuses will open					
REMOTES SOLD SEPERATLY	TH002	On/ Off Remote with Bi-Color Illuminating Ring					
	TH-RC	On/off Remote with Digital Display					
	TH-IRC	On/Off Remote with Digital Display, 1 AC outlet, 1 USB charging port					
	TH-IBS	Inverter Bypass Switch					
	Dimensions	7.5L x 8.5W x 3.34"H	11.45L x 8.5W x 3.34"H	12.99L x 8.5W x 3.34"H	16.92L x 8.5W x 3.34"H	18.50L x 8.5W x 3.34"H	18.5L x 8.5W x 6.31"H
	Weight	4.7Lbs	10Lbs	11Lbs	14.75Lbs	17.25Lbs	25.5Lbs
	UPC CODE	853003006512	853003006490	853003006544	853003006506	853003006513	852090008042
	Warranty	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year



Design Features:

- Install Kits insure Inverter and A/C output efficiency
- Install Kits allow for quick, easy and safe installation
- Increased battery protection and life of battery
- Ensure correct size cable, fuse and accessories

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THOR KITS are highly recommended for all mobile applications to ensure superior safety and efficiency. THOR Manufacturing offers the 600W, 1000W, 1500W, 2000W, 3000W and 5000W models with complete install kits.



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Inverter
Install Kits
Automatically
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Warranty
by 1 Year!

Item	Description
THPW600 KIT1	THPW600, THOR remote, 10 ft of 4 Awg cable and lugs
THPW600 KIT2	THPW600, THOR remote, 10 ft of 4 AWG cable with 80 Amp fuse with block
THPW600 KIT3	THPW600, THOR remote, 10 ft of 4 AWG cable, 80 Amp fuse with block and 80 Amp Isolator
THPW600 PRO KIT	THPW600, THOR remote, 15 ft of 4 AWG cable, 80 Amp fuse with block, 80 Amp Isolator and TH-EXT (TH-IBS Included)
THPW1000 KIT1	THPW1000, THOR remote, 10 ft of 1/0 cable and lugs
THPW1000 KIT2	THPW1000, THOR remote, 10 ft of 1/0 cable with 100 Amp fuse with block
THPW1000 KIT3	THPW1000, THOR remote, 10 ft of 1/0 cable, 100 Amp fuse with block and 80 Amp Isolator
THPW1000 PRO KIT	THPW1000, THOR remote, 15 FT of 1/0 cable, 100 Amp fuse with block, 200 Amp Isolator and TH-EXT (TH-IBS Included)
THPW1500 KIT1	THPW1500, THOR remote, 10 ft of 1/0 cable and lugs
THPW1500 KIT2	THPW1500, THOR remote 10 ft of 1/0 cable with 150 Amp fuse with block
THPW1500 KIT3	THPW1500, THOR remote, 10 ft of 1/0 cable, 150 Amp fuse with block and 200 Amp Isolator
THPW1500 PRO KIT	THPW1500, THOR remote, 15 FT of 1/0 cable, 150 Amp fuse with block, 200 Amp Isolator and TH-EXT (TH-IBS Included)

Item	Description
THPW2000 KIT1	THPW2000, THOR remote, 10 ft of 1/0 cable and lugs
THPW2000 KIT2	THPW2000, THOR remote, 10 ft of 1/0 cable with 200 Amp fuse with block
THPW2000 KIT3	THPW2000, THOR remote, 10 ft of 1/0 cable, 200 Amp fuse with block and 200 Amp Isolator
THPW2000 PRO KIT	THPW1500, THOR remote, 15 FT of 1/0 cable, 150 Amp fuse with block, 200 Amp Isolator and TH-EXT (TH-IBS Included)
THPW3000 KIT1	THPW3000, THOR remote, 10 ft of 3/0 cable and lugs
THPW3000 KIT2	THPW3000, THOR remote, 10 ft of 3/0 cable with 300 Amp fuse with block
THPW3000 KIT3	THPW3000, THOR remote, 10 ft of 3/0 cable, 300 Amp fuse with block and 500 Amp Isolator
THPW3000 PRO KIT	THPW3000, THOR remote, 15 FT of 3/0 cable, 300 Amp fuse with block, 500 Amp Isolator and TH-EXT (TH-IBS Included)
THPW5000 KIT1	THPW5000, THOR remote, 10 ft of 4/0 cable and lugs
THPW5000 KIT2	THPW5000, THOR remote, 10 ft of 4/0 cable with 500 Amp fuse with block
THPW5000 KIT3	THPW5000, THOR remote, 10 ft of 4/0 cable, 500 Amp fuse with block and 500 Amp Isolator
THPW5000 PRO KIT	THPW5000, THOR remote, 15 FT of 4/0 cable, 500 Amp fuse with block, 500 Amp Isolator and TH-EXT (TH-IBS Included)

WHAT DO THOR INSTALLATION KITS INCLUDE?

THOR has a perfect KIT for every installation, from standalone install, Ignition controlled install or Voltage controlled install THOR has a kit for you!

THOR Remote Control: Unit can be manually turned On/Off either using the On/Off Button on the front of the inverter or with a THOR On/Off Switch.

Ignition Controlled Install: Inverter can automatically turn On/Off with vehicles ignition. THOR Inverter Install Kits can extend battery life and can avoid dead or drained vehicle batteries.

Voltage Controlled Install: Inverter can automatically turn On/Off when voltage of vehicles battery reaches or drops below a preset voltage. Once proper battery voltage is achieved inverter will automatically turn on. THOR Inverter Install Kits can extend battery life and can avoid dead or drained vehicle batteries.

GOOD	BETTER	BEST	PROFESSIONAL
KIT 1	KIT 2	KIT 3	PRO KIT
✓ Includes Inverter	✓ Includes Inverter	✓ Includes Inverter	✓ Includes Inverter
✓ Includes Cables	✓ Includes Cables	✓ Includes Cables	✓ Includes Cables
✓ Includes Remote	✓ Includes Remote	✓ Includes Remote	✓ Includes Remote
✗ Includes Fuse	✓ Includes Fuse	✓ Includes Fuse	✓ Includes Fuse
✗ Includes TH-IBS	✗ Includes TH-IBS	✓ Includes TH-IBS	✓ Includes TH-IBS
✗ Includes THI	✗ Includes THI	✓ Includes THI	✓ Includes THI
✗ Includes Isolator	✗ Includes Isolator	✓ Includes Isolator	✓ Includes Isolator
✗ Includes 15ft Cable	✗ Includes 15ft Cable	✗ Includes 15ft Cable	✓ Includes 15ft Cable
✗ Includes TH-EXT	✗ Includes TH-EXT	✗ Includes TH-EXT	✓ Includes TH-EXT



IC Series
Low Frequency Inverter Charger
**Low Frequency Pure Sine
Wave Inverter Chargers**



THIC Series

THOR Manufacturing Low Frequency Pure Sine Wave Inverter Chargers have set the standard with the way you deal with your mobile power needs, providing AC electricity. A power inverter converts the DC electricity from batteries into everyday AC power. With a THOR Manufacturing inverter you won't need to rely on DC-powered electronics or a generator to have power for tools, electronics, or any AC power needs.

THOR Manufacturing THIC Series Pure Sine Wave inverter chargers are efficient and dependable and come in numerous sizes and power ranges to meet your mobile power demands as well as a 3 stage battery charger to recharge your batteries when connected to shore power. We offer compact, higher powered models that yield enough power for larger vehicles such as utility & work trucks, RV's, boats, & renewable energy applications.

THIC3000-35A

3000 WATT – 9000 WATT PEAK

Models are available with an optional remote control.

Other Models



THIC1000-35A
1000 WATT
3000 WATT PEAK
35 AMP CHARGER



THIC2000-35A
2000 WATT
6000 WATT PEAK
35 AMP CHARGER

Design Features

- Quiet and high efficiency operation
- LED Indicators and Selectable Charge Setting depending on battery type
- Pure sine wave inverter with 3 times surge of continuous wattage
- 35A battery converter/charger, power factor corrected
- Power Save Mode Feature
- Automatic Transfer Switch
- Rugged and Durable Construction for extreme environments
- Conformal Coated internals to resist corrosion
- Hard wire option for connecting multiple loads
- Additional Remote Panel available
- Standard Mounting Footprint



THIC-RC Sold Separately

MODEL		THIC1000-35	THIC2000-35	THIC3000-35
INPUT	Nominal AC Input Voltage	120V		
	DC Input Voltage range	10.7 - 16.5 Vdc		
	Power Save Mode	Enabled less than 25 watts		
	Line transfer time	10ms	10ms	10ms
	Transfer Switch	Yes	Yes	Yes
	DC Input Connections	Bolt Down Lugs		
OUTPUT	Output Voltage	120 Vac		
	Maximum Output Current	10 Amps	20 Amps	30 Amps
	Output Frequency	50Hz/60Hz ± 0.3Hz		
	Type Of Wave Form	Pure Sine Wave		
	Total Harmonic Distortion of Output Waveform	THD <3%		
	Power Factor Correction	0.9-1.0		
	Continuous Output Power	1000 Watts	2000 Watts	3000 Watts
	Surge Output Power	3000 Watts	6000 Watts	9000 Watts
	Peak Efficiency	88%		
	Charger	35 Amp		
	Terminal Block for Hardwiring	Yes		
DISPLAY	Display	Front panel LED indicators and adjustable switch		
	Low Input Voltage	Yes		
	High Input Voltage	Yes		
	Overload Shut Down	Yes		
	Over Temperature	Yes		
	Ground Fault Protection	Yes		
PROTECTION	Low Input Voltage Alarm	0V ± 0.1V Auto-reset: 11.5V ± 0.3V		
	Low DC Input Voltage Shutdown	0V ± 0.1V Auto-reset: 11.5V ± 0.3V		
	High DC Input Voltage Shutdown	16V		
	Short Circuit Shutdown	Yes, fault after 10 secs		
	Overload Shut Down	0V ± 0.1V Auto-reset: 11.5V ± 0.3V		
	Ground Fault Shutdown	Intergrated GFCI Circuit (4- 6 mA Leakage)		
	Over Temperature Protection	90°C ± 5°C (Sensed At output) Auto reset at 65C ± 5° C		
	Reverse Polarity Protection	Internal DC Fuses will open		
CHARGER MODE SPECIFICATIONS	Input voltage range	AC95 ~ 127V		
	Output voltage	According to the battery type		
	Charging current	35A		
	Starting battery initial voltage	0-15.7V, 12V		
	Overcharge protection off	15.7V		
INVERTER CHARGER KITS	Item	Description		
	THIC1000-35 KIT	THIC1000-35, THFBCBL15FT1/0 with 100 amp fuse, TH-EXT-15, THIC-RC		
	THIC2000-35 KIT	THIC2000-35, THFBCBL15FT3/0 with 200 amp fuse, TH-EXT-15, THIC-RC		
	THIC3000-35 KIT	THIC3000-35, THFBCBL15FT3/0 with 300 amp fuse, TH-EXT-15, THIC-RC		



TH-IRC REMOTE

Inverter Remote Control with a single AC Outlet, USB Port, and Error Code Display.

FOR THOR MANUFACTURING INVERTERS
1000 WATTS OR GREATER

TH002 Upfitter Remote



THOR Push button Remote Control with Removable Face Plate for use with all THOR Manufacturing THMS and THPW series inverters from 500 Watts & up.

Features

- 30 Ft Cord
- Red LED (Fault Indicator)
- Green LED (Power On)
- On/Off Remote
- Removable faceplate for easy installation

TH-RC Remote



THOR TH-IR Push button Remote Control with Error Code Display for use with all THOR Manufacturing THMS and THPW series inverters from 500 Watts & up. THOR Inverter By Pass switch built in for ignition and voltage controlled installations.

Features

- Inverter power status (On/Off)
- Inverter Input Voltage
- Inverter Output in Watts
- 15 ft Cord
- Inverter Error Code if inverter is in a fault condition

TH-IRC Inverter Remote



THOR TH-IRC Push button Remote Control with Error Code Display for use with all THOR Manufacturing THMS 1000 Watts and up, and THPW series inverters from 600 Watts & up. THOR Inverter By Pass switch built in for ignition and voltage controlled installations. Includes Single 120 Volt A/C Outlet and USB Port for charging smart devices

Features

- Inverter power status (On/Off)
- Inverter Input Voltage
- Inverter Output in Watts
- 15 ft Cord
- Inverter Error Code if inverter is in a fault condition
- 120 Volt A/C outlet
- USB Port for charging smart devices

TH-IBS THOR Inverter Bypass Switch



THOR Inverter Bypass Switch enables THOR inverters to automatically turn the inverter On/Off when the vehicles ignition is turned On/Off. Must use in conjunction with THOR THI series battery Isolators.

TH-EXT THOR Cable and Power Outlet



THOR AC Outlet and cable extension combined into one unit, easily plugs into THOR THMS, THPW and THIC Inverters with Hard Wire block! Weatherproof box, cover and A/C receptacle for use in wet, damp, or dry locations, 15' and 25' cord lengths. Made in the USA.

THOR DC INVERTER FUSES



THOR THANL-FUSE Holder
(50-300 Amp)

Product Summary

THOR ANL Fuse Kit assemblies are designed to provide code compliant over-current protection. They are used to protect the battery bank, inverter and cables from damage caused by short circuits and overloads.

Each Fuse Block Assembly uses a fast acting, current limiting fuse cartridge which provides instantaneous protection in the event of a short circuit, but also employs a time delay to allow momentary current surges common in inverter applications. A rugged injection molded poly carbonate base and thermoformed ABS cover provides durability, easy installation, and good looks all in a compact, cost effective package.

Item	Description
Fuse and Fuse Block	
THANLFB-50	THOR ANL 50 Amp fuse with block
THANLFB-80	THOR ANL 80 Amp fuse with block
THANLFB-100	THOR ANL 100 Amp fuse with block
THANLFB-150	THOR ANL 150 Amp fuse with block
THANLFB-200	THOR ANL 200 Amp fuse with block
THANLFB-300	THOR ANL 300 Amp fuse with block
THANLFB-400	THOR ANL 400 Amp fuse with block
THANLFB-500	THOR ANL 500 Amp fuse with block
Fuse Block Only	
THANLFB-50-300	THOR ANL Fuse Block 50 - 300 Amp (ANL Fuse Holder Only)
THANLFB-400-750	THOR ANL Fuse Block 400-750 Amp (ANL Fuse Holder Only)
Fuse Only	
THANL-50	THOR ANL 50 Amp fuse
THANL-80	THOR ANL 80 Amp fuse
THANL-100	THOR ANL 100 Amp fuse
THANL-200	THOR ANL 200 Amp fuse
THANL-300	THOR ANL 300 Amp fuse
THANL-400	THOR ANL 400 Amp fuse
THANL-500	THOR ANL 500 Amp fuse

Other Models:



THANL-Fuses

- ANL Fuses are available in Amp ratings from 50 to 500 Amps



THANLFB

- ANL Hi-Amp Fuse Holder 400-750 Amps

BATTERY ISOLATORS

80AMP, 200AMP or 500AMP
CONTINUOUS AT 12VDC



THI-80
80Amp Continuous at 12Vdc

THOR Battery Isolators

THOR Manufacturing Battery Isolators can be used as a battery or circuit isolator to allow your alternator to charge more than one battery but keep your starting battery from being drained when the vehicle is not running.

THI Series Battery Isolators can be used to isolate circuits or batteries. These Battery Isolators are simple to install, take up less room, and are more durable than standard battery isolators. They require less than 1 amp to operate. Take your pick of either our 80 Amp, 200 Amp or 500 Amp model.

Isolator Models:



THI-200
200Amp Continuous at 12Vdc



THI-500
500Amp Continuous at 12Vdc

Design Features

- More flexible than traditional battery isolators
- Smaller and lighter than traditional isolators
- Allows bi-directional charging from alternator or shore power
- Works with all type of alternators
- No efficiency losses due to diodes

Applications

- RVs and Campers
- Long Haul Trucks
- Boats
- Mobile Office
- Service Vehicles
- Emergency Back-up Power
- Utility Trucks

Model	THI-80	THI-200	THI-500
Minimum Input Voltage	10Vdc	10Vdc	10Vdc
Maximum Input Voltage	16Vdc	16Vdc	16Vdc
Continuous Current	80A	200A	500A
Quiescent Current	<1amp	<1amp	<1amp

THOR - ISOLATOR KITS

Isolate with Confidence



The THOR Battery Isolator is the perfect solution when adding a secondary battery to your vehicles electrical system. It allows the second battery to be fully dedicated to the power inverter. It does not create a voltage drop like common isolators tend to do. The isolator will draw less than 1 amp when your vehicle is powered On. All of this will ensure that your battery will be isolated with confidence!

Kits Include:

- 1 (80, 200 or 500) Amp Isolator
- Wiring schematic with instructions
- 20 feet of correct gauge DC power cable
- 4 sets of correct gauge lugs
- 2 Fuse and Fuse holders correct Amperage to Isolator

THI-80-KIT	THI-200-KIT	THI-500-KIT
80A	200A	500A
Minimum Input Voltage 10Vdc		
Maximum Input Voltage 16Vdc		

THOR - LOW VOLTAGE DISCONNECT

For use with THOR Manufacturing Battery Isolators.

THOR Manufacturing's, Low Voltage Disconnect (TH-LVD) switch is a solid state electronic module designed to protect batteries from excessive discharge. Think of them much like a surge protector, but instead of terminating the connection when voltage spikes, they disconnect when voltage drops too low, preventing damage to the batteries and load.

The TH-LVD when used with a battery isolator will automatically disconnect and reconnect loads based on battery voltage. No operator action required. This prolongs battery life by preventing damage due to excessive discharge.

Continually monitors battery voltage then disconnects the load when low voltage is sensed. Extends battery life by preventing over-discharge and protects equipment from operating at potentially low voltages.



- 12 & 24 Volt applications
- 30 second Delay Timer
- Weather resistant
- Compact size w/ bracket



TH-LVD Low Voltage
Disconnect



THI-80, 200 or 500
Isolator



TH-IBS Bypass
Switch

Kits Include:

- THOR 80, 200 or 500 Amp Isolator
- TH-LVD Low Voltage Disconnect
- TH-IBS Inverter By Pass Switch

Features:

- No more dead batteries!
- Automatically Disconnects any drain on the battery (when Voltage drops to desired cutoff point), leaving starting power.
- No button to push, or raising the hood.
- Proven technology protecting vehicle battery alternators, electrical system and much more!

LOW VOLTAGE DISCONNECT KITS

THOR Manufacturing's, Low Voltage Disconnect (TH-LVD) switch is a solid state electronic module designed to protect batteries from excessive discharge. Think of them much like a surge protector, but instead of terminating the connection when voltage spikes, they disconnect when voltage drops too low, preventing damage to the batteries and load.

THI-LVD-80-KIT	THI-LVD-200-KIT	THI-LVD-500-KIT
Input Volts: 12V or 24V		
12 & 24 Volt applications		
30 second Delay Timer		
Over-current shut off		
Over voltage protection		
Durable case		
Weather resistant		
4-wire terminal configuration		
Dimensions: 4" x 4" x 4"		
Weight .88 Lbs	Weight: 2.02 Lbs	Weight: 2.02 Lbs
Compact size with mounting bracket		
Designed to withstand harsh automotive environments		



 **THC Series**
Multi Purpose Battery Chargers

12 VOLT MODELS

THC-15, THC-35, THC-45, THC-55, THC-75, THC-100

24 VOLT MODELS

THC-20-24, THC-30-24, THC-40-24, THC-50-24

48 VOLT MODEL

THC-18-48

Design Features

- Affordable and fast battery charging
- Switchable charging options
- Rapid or float charging
- Longer charging options
- Robust design
- 2 year warranty

THOR Smart Battery Chargers

This charging system provides an optional automatic charging system in three steps. 1. A fast charge to bring a good, drained battery back up to full voltage rapidly ("Boost"). 2. A standard charge to bring the battery up to a full charge at a safe rate to prolong the life of the battery and provide power to run 12V lighting and appliances in the vehicle/device ("Normal"). 3. A trickle charge to keep the battery fresh during times of load inactivity ("Storage"). The charger automatically changes modes to accommodate changes in conditions.

Automatic 3 Stage Switch-Mode Battery Chargers



12V Charger Models

	THC-15	THC-35	THC-45	THC-55	THC-75	THC-100
DC Output Voltage:	(No Load) approx13.6V/14.4(DC)	(No Load) approx13.6V/14.4(DC)	(No Load) approx13.6V/14.4(DC)	(No Load) approx13.6V/14.4(DC)	(No Load) approx13.6V/14.4(DC)	(No Load) approx13.6V/14.4(DC)
Output Voltage Tolerance:	(No Load) + or -.7%	(No Load) + or -.7%	(No Load) + or -.7%	(No Load) + or -.7%	(No Load) + or -.7%	(No Load) + or -.7%
Output Amperage:	Max Continuous 15 Amps	Max Continuous 32 Amps	Max Continuous 45 Amps	Max Continuous 55 Amps	Max Continuous 75 Amps	Max Continuous 100 Amps
Output Voltage (Full Load):	Approx. >13.4V (DC)	Approx. >13.4V (DC)	Approx. >13.4V (DC)	Approx. >13.4V (DC)	Approx. >13.4V (DC)	Approx. >13.4V (DC)
Max Power Output:	Continuous 200 Watts	Continuous 430 Watts	Continuous 600 Watts	Continuous 780 Watts	Continuous 1065 Watts	Continuous 1230 Watts
Input Voltage Range:	105-135 AC	105-135 AC	105-135 AC	105-135 AC	105-135 AC	105-135 AC
Input Voltage Frequency:	47-63	47-63	47-63	47-63	47-63	47-63
Max AC Current:	@108VAC 3 Amps	@108VAC 5 Amps	@108VAC 5Amps	@108VAC 7Amps	@108VAC 12 Amps	@108VAC 13 Amps
Typical Efficiency:	>85%	>85%	>85%	>85%	>85%	>85%
Overload Protection:	>100%	>100%	>100%	>100%	>100%	>100%
Fan Control:	Proportional	Proportional	Proportional	Proportional	Proportional	Proportional
Short Circuit & Thermal Protection:	YES	YES	YES	YES	YES	YES
Working Temp:	0-45C	0-45C	0-45C	0-45C	0-45C	0-45C
Withstand Voltage:	1240V @ leads	1240V @ leads	1240V @ leads	1240V @ leads	1240V @ leads	1240V @ leads
Dimensions:	10.5L X 7.15W X 3.45"H	10.5L X 7.15W X 3.45"H	10.5L X 7.15W X 3.45"H	10.5L X 7.15W X 3.45"H	10.5L X 7.15W X 3.45"H	10.5L X 7.15W X 3.45"H
Weight:	5.0 lbs	7.0 lbs	7.0 lbs	7.0 lbs	7.0 lbs	11.0 lbs

24V & 48V Charger Models

	THC-20-24	THC-30-24	THC-40-24	THC-50-24	THC-18-48
DC Output Voltage:	(No Load) approx27.2V(DC)	(No Load) approx27.2V(DC)	(No Load) approx27.2V(DC)	(No Load) approx27.2V(DC)	(No Load) approx54.4V(DC)
Output Voltage Tolerance:	(No Load) + or -.7%	(No Load) + or -.7%	(No Load) + or -.7%	(No Load) + or -.7%	(No Load) + or -.7%
Output Amperage:	Max Continuous 20 Amps	Max Continuous 30 Amps	Max Continuous 40 Amps	Max Continuous 50 Amps	Max Continuous 20 Amps
Output Voltage (Full Load):	Approx. >27.2V (DC)	Approx. >27.2V (DC)	Approx. >27.2V (DC)	Approx. >27.2V (DC)	Approx. >54.4V (DC)
Max Power Output:	Continuous 545 Watts	Continuous 820Watts	Continuous 1120Watts	Continuous 1460Watts	Continuous 1088Watts
Input Voltage Range:	105-135 AC	105-135 AC	105-135 AC	105-135 AC	105-135 AC
Input Voltage Frequency:	47-63	47-63	47-63	47-63	47-63
Max AC Current:	@108VAC 7 Amps	@108VAC 6 Amps	@108VAC 6 Amps	@108VAC 12 Amps	@108VAC 10 Amps
Typical Efficiency:	>85%	>85%	>85%	>85%	>90%
Overload Protection:	>100%	>100%	>100%	>100%	>100%
Fan Control:	Proportional	Proportional	Proportional	Proportional	Proportional
Short Circuit / Thermal Protection:	YES	YES	YES	YES	YES
Working Temp:	0-45C	0-45C	0-45C	0-45C	0-45C
Withstand Voltage:	1240V @ leads	1240V @ leads	1240V @ leads	1240V @ leads	1240V @ leads
Dimensions:	10L X 5W X 4"H	10L X 5W X 4"H	10L X 5W X 4"H	10L X 5W X 4"H	10L X 5W X 4"H
Weight:	9.0 lbs	9.0 lbs	9.0 lbs	11.0 lbs	9.0 lbs

THOR Mftg. is dedicated to the AC/DC Power needs. With our engineering and manufacturing facilities in the USA and China, we strive to provide a cost effective solution for our customers.

We do this while maintaining high quality levels demanded by the industry.



MAKING MOBILE POWER FOR FLEET AND SERVICE VEHICLES EASY!

Professional Mobile Power Install Kits for your fleet and service vehicles! Take the guesswork out of installing your THOR power inverter. Pre-assembled, THOR inverter install kits allow for a quick, easy and safe installation of your high power THOR inverter and require no special tools. It is imperative that in any inverter's permanent installation, you use the appropriate material to get the best performance, prevent overheating and avoid added maintenance costs or damages.

THOR KITS are highly recommended for all mobile applications to ensure superior safety and efficiency. THOR Manufacturing offers the 500W, 600W, 800W, 1000W, 1500W, 2000W, 3000W and 5000W models with complete install kits.

The idea behind this kit is simple.

Save time, money and receive everything in one box.
THOR Inverter Install PRO KITS Include:

- 1 THOR Power Inverter
- 15 ft set of proper size DC cable with crimped lugs
- THOR Fuse with fuse holder – for easy installation!
- THOR Battery Isolator
- THOR Inverter Bypass Switch (TH-IBS) for ignition control installations!
- TH-EXT 15 ft of AC cable with 120 volt AC outdoor outlet extension, plugs directly into your THOR Inverter for an extra outlet!



MS Series
Professional Grade Power Inverters

PW Series
Professional Grade Power Inverter



Design Features

- Install Kits insure Inverter and A/C output efficiency
- Install Kits allow for quick, easy and safe installation
- Increased battery protection and life of battery
- Ensure correct size cable, fuse and accessories

THOR Inverter Install Kits Automatically Extend current THOR Warranty by 1 Year!

Item	Description
THMS1000 PRO KIT	THMS1000, THOR remote, 15 FT of 1/0 cable, 100 Amp fuse with block, 80 Amp Isolator and TH-EXT (TH-IBS Included)
THMS1500 PRO KIT	THMS1500, THOR remote, 15 FT of 1/0 cable, 150 Amp fuse with block, 200 Amp Isolator and TH-EXT (TH-IBS Included)
THMS2000 PRO KIT	THMS2000, THOR remote, 15 FT of 1/0 cable, 200 Amp fuse with block, 200 Amp Isolator and TH-EXT (TH-IBS Included)
THMS3000 PRO KIT	THMS3000, THOR remote, 15 FT of 3/0 cable, 300 Amp fuse with block, 500 Amp Isolator and TH-EXT (TH-IBS Included)
THMS5000 PRO KIT	THMS5000, THOR remote, 15 FT of 4/0 cable, 500 Amp fuse with block, 500 Amp Isolator and TH-EXT (TH-IBS Included)
THPW600 PRO KIT	THPW600, THOR remote, 15 ft of 4 AWG cable, 80 Amp fuse with block, 80 Amp Isolator and TH-EXT (TH-IBS Included)
THPW1000 PRO KIT	THPW1000, THOR remote, 15 FT of 1/0 cable, 100 Amp fuse with block, 200 Amp Isolator and TH-EXT (TH-IBS Included)
THPW1500 PRO KIT	THPW1500, THOR remote, 15 FT of 1/0 cable, 150 Amp fuse with block, 200 Amp Isolator and TH-EXT (TH-IBS Included)
THPW2000 PRO KIT	THPW2000, THOR remote, 15 FT of 1/0 cable, 200 Amp fuse with block, 200 Amp Isolator and TH-EXT (TH-IBS Included)
THPW3000 PRO KIT	THPW3000, THOR remote, 15 FT of 3/0 cable, 300 Amp fuse with block, 500 Amp Isolator and TH-EXT (TH-IBS Included)
THPW5000 PRO KIT	THPW5000, THOR remote, 15 FT of 4/0 cable, 500 Amp fuse with block, 500 Amp Isolator and TH-EXT (TH-IBS Included)

THOR - CABLE KITS

THOR Manufacturing's DC Installation Kits include everything you will need to properly connect your THOR Manufacturing power inverter to your batteries or DC power source. Included are large gauge battery cables, lugs and installation instructions.

Need custom cables? Contact your THOR Manufacturing distributor for pricing as custom cable sets is one of our specialties.

Cable Construction:

- Conductors: Flexible stranded bare copper per ASTM B-172 Class K
- Separator: Tape separator between the conductor and insulation
- Jacket: Ethylene Propylene Rubber (EPR) Class 45, 105°C Table 50.55 of UL 581

**Please contact THOR Manufacturing to confirm proper kit selection for cables. Cables which are too small for the current coming from the battery pose a serious fire hazard.*

THCBL Kits Cable Only:

- 1 Pair of DC Power Cables
- 2 Sets of Lugs

Item	Description
Cable Set 4AWG	
THCBL05FT4AWG	4AWG Cable Sets 5 Feet
THCBL10FT4AWG	4AWG Cable Sets 10 Feet
THCBL15FT4AWG	4AWG Cable Sets 15 Feet
THCBL20FT4AWG	4AWG Cable Sets 20 Feet
Cable Set 1/0	
THCBL05FT1/0	1/0 Cable Sets 5 Feet
THCBL10FT1/0	1/0 Cable Sets 10 Feet
THCBL15FT1/0	1/0 Cable Sets 15 Feet
THCBL20FT1/0	1/0 Cable Sets 20 Feet
Cable Set 3/0	
THCBL5FT3/0	3/0 Cable Sets 5 Feet
THCBL10FT3/0	3/0 Cable Sets 10 Feet
THCBL15FT3/0	3/0 Cable Sets 15 Feet
THCBL20FT3/0	3/0 Cable Sets 20 Feet
Cable Set 4/0	
THCBL05FT4/0	4/0 Cable Sets 5 Feet
THCBL10FT4/0	4/0 Cable Sets 10 Feet
THCBL15FT4/0	4/0 Cable Sets 15 Feet
THCBL20FT4/0	4/0 Cable Sets 20 Feet

THFBCBL Kits with Fuse:

- 1 Pair of DC Power Cables
- 2 Sets of Lugs
- Fuse
- Fuse Block

Item	Description
Cable Set 4AWG	
THFBCBL05FT4AWG	4AWG Cable Sets 5 Feet with 100Amp fuse
THFBCBL10FT4AWG	4AWG Cable Sets 10 Feet with 100Amp fuse
THFBCBL15FT4AWG	4AWG Cable Sets 15 Feet with 100Amp fuse
THFBCBL20FT4AWG	4AWG Cable Sets 20 Feet with 100Amp fuse
Cable Set 1/0	
THFBCBL05FT1/0	1/0 Cable Sets 5 Feet with 200Amp fuse
THFBCBL10FT1/0	1/0 Cable Sets 10 Feet with 200Amp fuse
THFBCBL15FT1/0	1/0 Cable Sets 15 Feet with 200Amp fuse
THFBCBL20FT1/0	1/0 Cable Sets 20 Feet with 200Amp fuse
Cable Set 3/0	
THFBCBL05FT3/0	3/0 Cable Sets 5 Feet with 300Amp fuse
THFBCBL10FT3/0	3/0 Cable Sets 10 Feet with 300Amp fuse
THFBCBL15FT3/0	3/0 Cable Sets 15 Feet with 300Amp fuse
THFBCBL20FT3/0	3/0 Cable Sets 20 Feet with 300Amp fuse
Cable Set 4/0	
THFBCBL05FT4/0	4/0 Cable Sets 5 Feet with 500Amp fuse
THFBCBL10FT4/0	4/0 Cable Sets 10 Feet with 500Amp fuse
THFBCBL15FT4/0	4/0 Cable Sets 15 Feet with 500Amp fuse
THFBCBL20FT4/0	4/0 Cable Sets 20 Feet with 500Amp fuse



THTC Series

Automatic Transfer Switch



THOR Automatic Transfer Switches

Automatically switches between 2 separate AC input sources: utility power, inverter or generator. Provides a seamless transition and protects your inverter from unwanted AC back feed.

Features:

- 30 Amps or 50 Amps, 120 Volt AC
- Vibration Resistant Brass Terminals
- Designed to withstand vibration from vessel or RV
- Reduce the risk of loose terminals arcing
- High Copper Content Brass Terminals
- Brass terminals reduce operating temperature range compared to other terminal materials
- Improved thermal and electrical conductivity
- Reduced risk of thermal event
- Direct connection to safety interlock contactors

- Reduced heat due to less resistance in the circuit
- Improved thermal and electrical conductivity
- Reduces risk of a thermal event
- Mechanical safety interlock prevents generator and shore power source from contacting at the same time and provides stronger terminal contact
- UL94 fire-resistant plastic casing
- Better quality and thicker silver contacts for longer durability during service
- Multiple cable strain punch out holes for easier installation



THTS-30
30 Amp Transfer Switch



THTS-50
50 Amp Transfer Switch

AUTOMATIC TRANSFER SWITCH

Model	THTS-30	THTS-50
Input Voltage	120 VAC, 60 Hz	120/240 VAC, 60 Hz
Input Current	30A	50A
Voltage Output	120 VAC, 60 Hz	120/240 VAC, 60 Hz
Output Current	30A	50A
Shore Power Input	Yes	
Outside Dimensions	8 x 8 x 8	
Weight (Lbs.)	4.25 Lbs	6 Lbs
Knockout Holes	3	5
Knockout Sizes	2 x 7/8"	4 x 1.0"
Complies with FCC	Yes	
Timer Delay	Yes	
Timer Bypass Switch	Yes	

Note: The THTS is not ignition protected, therefore it should not be mounted in the same compartment as batteries or other flammable material such as gasoline



THSCC Series

Solar Charge Controllers

TH-PWM-30 30A Charge Controller



Automatically identify system voltage, 12V/24V. Sealed, gel, open lead-acid battery and lithium battery charging programs are optional. Overcharge, over discharge, overload protection, and electronic short circuit protection and reverse polarity protection. 3-stage PWM charging. Industrial grade design can be used in various harsh environments.

Features:

- Automatic system voltage identification
- Charging program options for sealed, GEL and flooded lead-acid batteries and lithium batteries are available.
- An upgraded 3-stage PWM charging algorithm.
- Temperature compensation.
- A wide range of load working modes.
- Overcharge, over-discharge, overload protection, as well as short circuit and reverse-connection protection.

Specifications

Rated current	30A
System Voltage	Automatic recognition of 12 V / 24 V
Rated power	12V/ 450W
No-load loss	< 13mA/12V; < 15mA/24V
Max. solar energy input voltage	<55V
Max. voltage at the battery end	<34V
Battery Type	Flooded, Sealed SLD

THFP-100-SOL Flexible Solar Panel

The THFP100-SOL solar panel converts the sun's energy into DC electricity and this electricity charges the battery. The battery stores the electricity, similar to a water tank storing water. This battery power may be used at any time to operate DC powered devices connected to the battery. To increase the battery service life, a solar controller is used to prevent the solar panels from overcharging the batteries.



THFP100-SOL

Nominal Power (P _{nom})	100 W
Power Tolerance	+/-3%
Rated Voltage (V _{mpp})	17.5 V
Rated Current (I _{mpp})	5.8 A
Open circuit voltage (V _{oc})	21 V



SOL Series Kits
Solar Inverter System Kit



THFP-100-SOL-KIT Flexible Solar Panel Kits

THFP-100-SOL-30

- 100 watt solar charging kit
- 30 Amp PWM Solar Controller



THFP-200-SOL-30

- 200 watt solar charging kit
- 30 Amp PWM Solar Controller



THFP-300-SOL-30

- 300 watts solar charging kit
- 30 Amp PWM Solar Controller



The THFP100-SOL solar panel converts the sun's energy into DC electricity and this electricity charges the battery. The battery stores the electricity, similar to a water tank storing water. This battery power may be used at any time to operate DC powered devices connected to the battery. To increase the battery service life, a solar controller is used to prevent the solar panels from overcharging the batteries.

APPLICATIONS



THFP100-SOL Typical Electrical Data at STC: 25°C, 1000 W/m ² and AM 1.5			
Model	THFP-100-SOL	THFP-200-SOL	THFP-300-SOL
Nominal Power (P _{nom})	100 W	200 W	300 W
Power Tolerance	+/-3%		
Rated Voltage (V _{mpp})	17.5 V		
Rated Current (I _{mpp})	5.8 A		
Open circuit voltage (V _{oc})	21 V		
Short circuit current (I _{sc})	6.2 A		
Power Temp Coefficient	-0.35%/°C		
Voltage Temp Coefficient	-58.9 mV/°C		
Current Temp Coefficient	2.6 mA/°C		
Max. System Voltage	45 V		
Series Fuse Rating	15 A		