



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



## THIC3000-35A

3000 WATT – 9000 WATT PEAK

Models are available with an optional remote control.

### Other Models



**THIC1000-35A**  
1000 WATT  
3000 WATT PEAK  
35/70 A CHARGER



**THIC2000-35A**  
2000 WATT  
6000 WATT PEAK  
35/70 A CHARGER

## 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 Pure Sine Wave inverter chargers 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

- 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
- 70A 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
- Hardwire option for loads larger than 15 Amps
- Additional Remote Panel available
- Standard Mounting Footprint

MODEL		THIC1000-35	THIC2000-35	THIC3000-35
<b>INPUT</b>	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 Input Lugs		
<b>OUTPUT</b>	Output Voltage	110Vac		
	Maximum Output Current	10 Amps	15 Amps	20 Amps
	Output Frequency	50Hz/60Hz $\pm$ 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	35A/70A		
	Terminal Block for Hardwiring	Yes		
<b>DISPLAY</b>	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		
<b>PROTECTION</b>	Low Input Voltage Alarm	0V $\pm$ 0.1V Auto-reset: 11.5V $\pm$ 0.3V		
	Low DC Input Voltage Shutdown	0V $\pm$ 0.1V Auto-reset: 11.5V $\pm$ 0.3V		
	High DC Input Voltage Shutdown	16V		
	Short Circuit Shutdown	Yes, fault after 10 secs		
	Overload Shut Down	0V $\pm$ 0.1V Auto-reset: 11.5V $\pm$ 0.3V		
	Ground Fault Shutdown	Intergrated GFCI Circuit ( 4- 6 mA Leakage )		
	Over Temperature Protection	90°C $\pm$ 5°C (Sensed At output) Auto reset at 65C $\pm$ 5° C		
	Reverse Polarity Protection	Internal DC Fuses will open		
<b>CHARGER MODE SPECIFICATIONS</b>	Input voltage range	AC95 ~ 127V		
	Output voltage	According to the battery type		
	Charging current	35A / 70A		
	Starting battery initial voltage	0-15.7V, 12V		
	Overcharge protection off	15.7V		
	Remote	THIC-RC Optional		
	Dimensions	17.4L x 8.58 W x 7.04H		
	Weight	37.47 lbs	44 lbs	48.5 lbs
	UPC CODE	898440002193	898440002186	853003006988
	Warranty	2 Year	2 Year	2 Year