

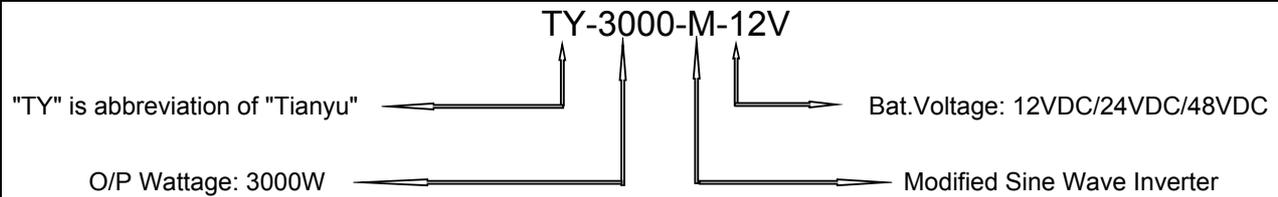


# Energia solar INGESOLAR

## Catalogue of Modified Sine Wave DC to AC Power Inverter

■ Modified sine wave inverter is a reliable, cost-effective choice for running typical resistive loads like lights and appliances.

■ Though modified sine wave inverters do not produce a perfect replica of AC pure sine wave power, they do provide an affordable option that for many mobile power applications, is perfectly adequate.



### ■ How Power Inverter Works



### ■ AC Output Receptacles (Optional)

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
USA	AUSTRALIA	UNIVERSAL	U.K	FRANCE	GERMANY

## 2000W Modified Sine Wave DC to AC Power Inverter **TY-2000-M** Series



### ■ Features:

- Modified sine wave output (THD<3%)
- Soft start
- High surge power up to 4000W
- USB Port (5V,0.5A) for charging USB devices  
**USB Port : 1A and 2.1A are also available**
- Protections: Bat. low alarm/Over voltage/Over shutdown/  
Output short/ Input reverse polarity/ Over load
- 1 year warranty



### SPECIFICATION

TY-2000-M		TY-2000-M-12V	TY-2000-M-24V	TY-2000-M-48V
OUTPUT	Rated Power	2000W		
	Maximum Output Power	4000W SURGE POWER		
	AC Voltage	100~120VAC / 200~240VAC (Optional)		
	Frequency	50Hz±0.1% or 60Hz±0.1% (Optional)		
	Waveform	Modified sine wave output (THD<3%) at rated input voltage		
	Socket Types	USA/Australia/Universal/UK/France/Germany/South Africa		
	Led Indicator Light	Inverter and Fault		
INPUT	Bat. Voltage	12V	24V	48V
	Voltage Range	10V-15V	20V-30V	40V-60V
	DC Current	200A	100A	50A
	No Load Consumption	<0.65A	<0.32A	<0.16A
	Efficiency	>88%		
	Battery Types	Open & sealed lead acid battery		
BATTERY INPUT PROTECTION	Fuses	35A*8	20A*8	10A*8
	Low Voltage Alarm	10.5V± 0.5V	21V±1V	42V±2V
	Low Voltage Shut down	10V± 0.5V	20V±1V	40V±2V
	Over Voltage Shut down	15V± 0.5V	30V±1V	60V±2V
	Reverse Polarity	By fuse open		
OUTPUT PROTECTION	Over Temperature	Shut Off Output Automatically, Temperature >75℃		
	Output Short	Protection type: Shut down o/p voltage, re-power on to recover		
	Over Load	Protection type: Shut down o/p voltage, re-power on to recover		
ENVIRONMENT	Working Temp.	-10℃~+50℃		
	Working Humidity	20%~90% RH Non-Condensing		
	Storage Temp.	-30℃~+70℃		
SAFETY	CE EMC	Compliance to EN61000-3-2,3; EN55022; EN55024		
	CE LVD	Compliance to EN62040-1:2008		
	RoHS	Compliance to 2011/65/EU		
PACKING	Inner Box	405*286*168 mm, 6kg		
	Carton	430*305*355 mm, 13kg		
	Package	2pcs /Carton		
ACCESSORIES	Battery Cable	2x Positive & 2x Negative Battery Cables		
	User Manual	1x English Manual		
	Fuse	8x Replaceable fuses		