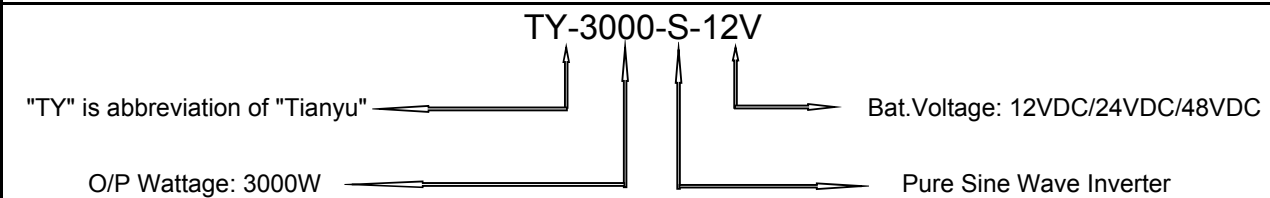




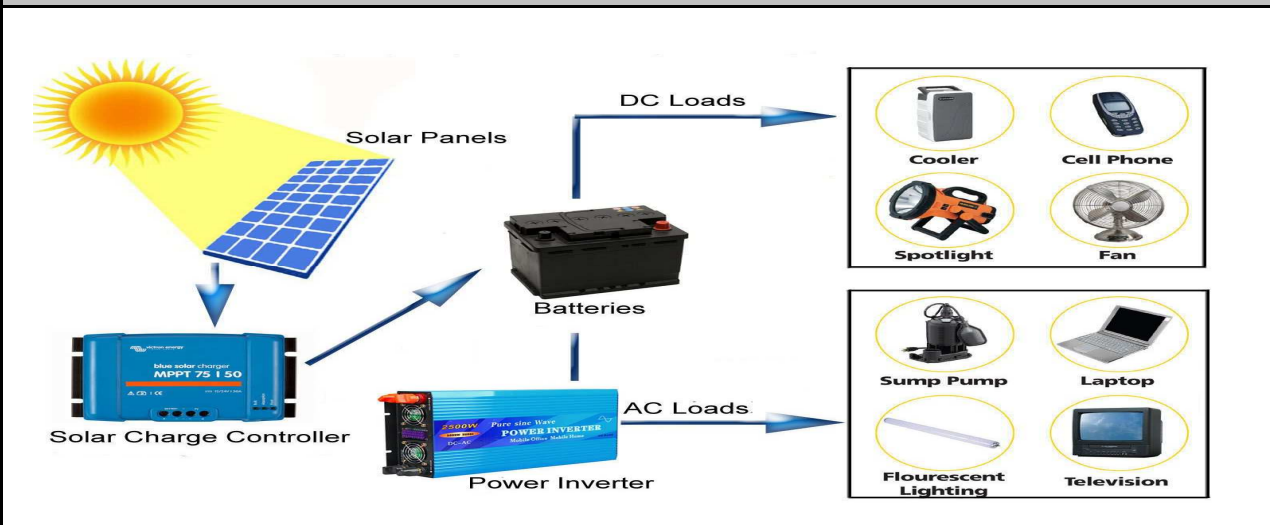
# Energia solar INGESOLAR

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

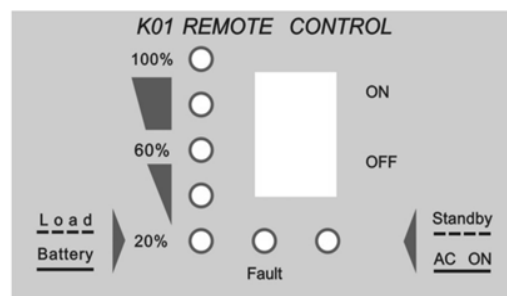
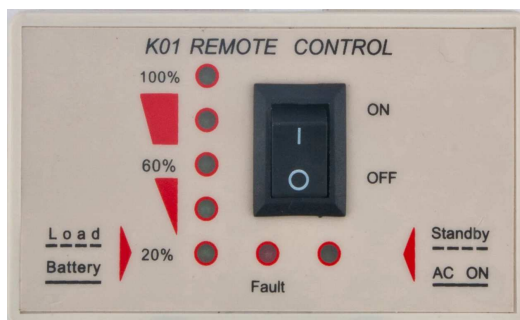
- Pure sine wave inverter provide an output voltage wave form that has a very low harmonic distortion like utility-supplied electricity.
- They are more suited for inductive load such as microwave ovens, refrigerators, compressors, air conditioners, motors, pump and etc, it can prevent computer crashes, noises & glitches in monitors, TV, Game consoles etc.
- In short the Pure Sine Wave Inverter will provide a reliable power source for all electronic appliances & devices.



### ■ How Power Inverter Works



### ■ Remote control(optional) can be equipped from 500W to 6000W models



## 2000W Pure Sine Wave DC to AC Power Inverter **TY-2000-S** Series



### ■ Features:

- Pure sine wave output (THD<3%)
- High surge power up to 4000W
- 1.5 times rated power for 10s, 2 times for 2s
- USB Port (5V,0.5A) for charging USB devices
- **USB Port : 1A and 2.1A are also available**
- **Remote Control (optional), extra cost is USD 4 / unit**
- Two multiple controlled DC fans: Temperature & Load.
- Protections: Bat. low alarm/Over voltage/Over shutdown/ Output short/ Input reverse polarity/ Over load
- 1 year warranty



### SPECIFICATION

	TY-2000-S	TY-2000-S-12V	TY-2000-S-24V	TY-2000-S-48V
OUTPUT	Rated Power	2000W		
	Maximum Output Power	4000W SURGE POWER; 3000W for 10sec, 4000w for 2sec		
	AC Voltage	100~120VAC / 200~240VAC (Optional)		
	Frequency	50Hz±0.1% or 60Hz±0.1% (Optional)		
	Waveform	Pure 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	10.8V-15.5V	21.6V-31V	43.2V-62V
	DC Current	200A	100A	50A
	No Load Consumption	<0.8A	<0.4A	<0.2A
	Efficiency	90% (Full Loading) / 95% (1/3 Loading)		
Battery Types	Open & sealed lead acid battery			
BATTERY INPUT PROTECTION	Fuses	35A*8	20A*8	10A*8
	Low Voltage Alarm	10.8V± 0.2V	21.6V±0.4V	43.2V±0.8V
	Low Voltage Shut down	10.2V± 0.2V	20.4V±0.4V	40.8V±0.8V
	Over Voltage Shut down	15.5V±0.2V	31V±0.4V	62V±0.8V
	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		
BUZZER ALARM	Low Battery Alarm	Buzzer sound 2times and Red light blink 2times every 8sec		
	Low Battery Shutdown	Buzzer sound 3times and Red light blink 3times every 8sec		
	Over Voltage Shutdown	Buzzer sound 4times and Red light blink 4times every 8sec		
	Over temperature Shutdown	Buzzer sound 5times and Red light blink 5times every 8sec		
	Short Circuit/Overload Shutdown	Red light blink constantly		
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	430*286*168 mm, 6kg		
	Carton	450*305*355 mm, 14kg		
	Package	2pcs /Carton		
ACCESSORIES	Battery Cable	2x Positive & 2x Negative Battery Cables		
	User Manual	1x English Manual		
	Fuse	8x Replaceable fuses		