

# Solar Hybrid Inverter

## TG Series



## Features:

### Intelligent Control

- Five smart control mode, auto switch for different demand
- RS485 communicational portal, for wifi box & external screen control

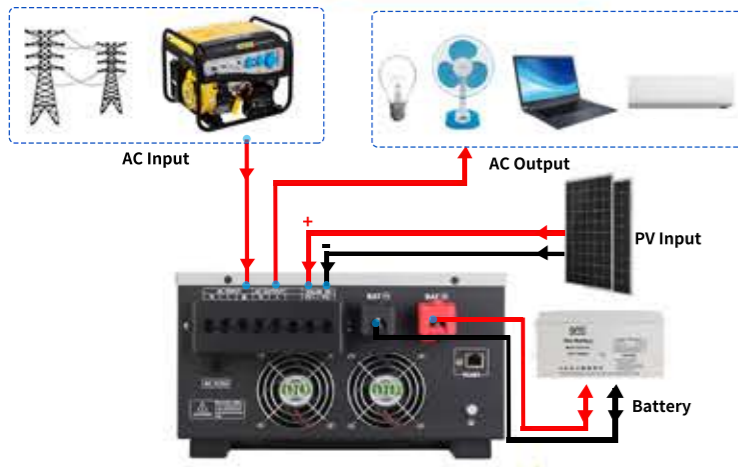
### High efficiency

- Inverter transfer efficiency up to 85%
- Inbuilt MPPT efficiency more than 99%

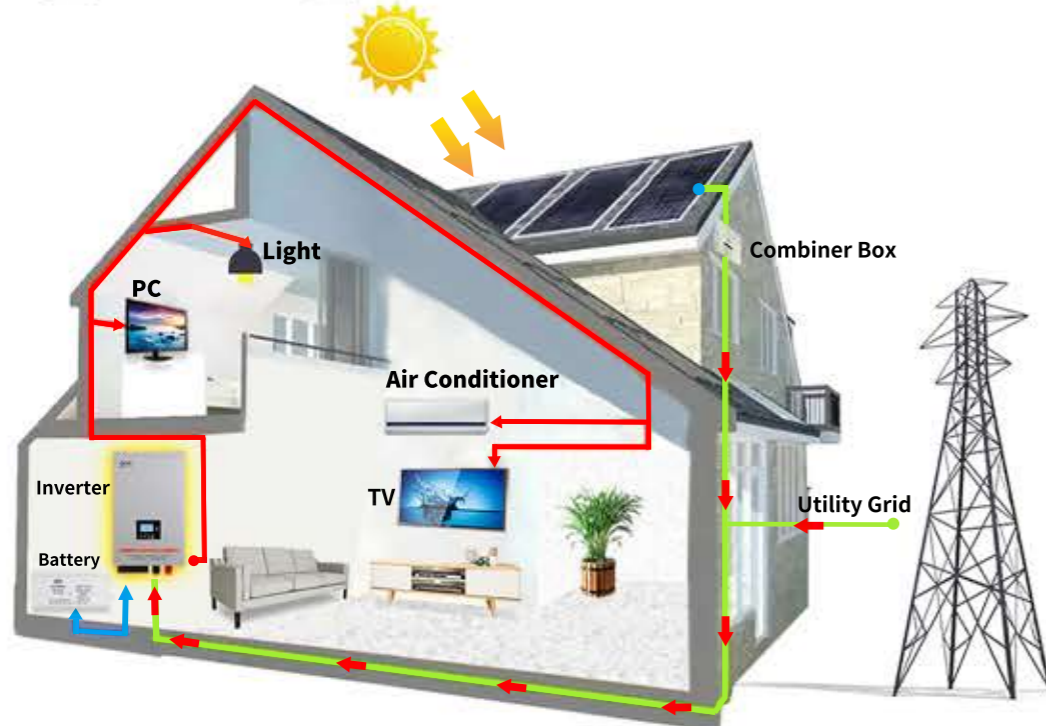
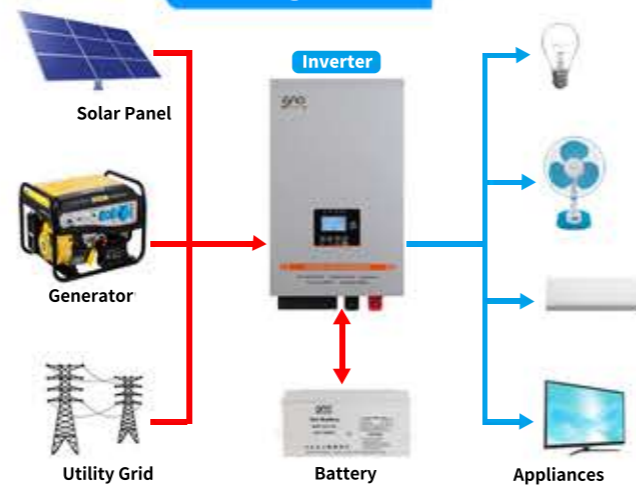
### Charger

- Inbuilt 35A AC charger
- Inbuilt 60A/80A MPPT solar charger
- Can use with Lithium battery, Lifepo4 battery

## Connection



## Diagram



## 3D Visual

# Solar Hybrid Inverter

Model	TG200-152	TG200-202	TG200-302	TG200-402	TG200-502	TG200-602
Rated power	1.5KW	2KW	3KW	4KW	5KW	6KW
Surge power	4.5KW	6KW	9KW	12KW	15KW	18KW

### AC Input & Output

Voltage	220VAC
Selectable Voltage Range	165-275VAC (220VAC)
Frequency Range	50Hz/60Hz automatic recognition
AC Voltage Regulation	(DC Batt.mode)220vac±3%
Transfer Time	≤4ms
Wave Form	Pure Sine Wave
Transformer type	Toroidal
Transfer efficiency	≥85%

### Battery

Battery Voltage	12V/24V	24V	24V/48V
Type	Gel/SLA/AGM/Water/Lithium(lifepo4) Battery		
DC Charge Voltage	12-16VDC(12V)/20-32VDC(24V)/40-64VDC(48V)		
Overcharge Protection	Battery voltage ≥ 16VDC (12V) ≥ 32VDC (24V) ≥ 64VDC (48V), stop charging after 60s alarm		

### Solar Charge & AC Charger

Type	MPPT Solar Charger Controller		
Maximum PV Array Open Circuit Voltage	150VDC		
Maximum PV Array Power	570W(12V)/ 1130W(24V)	1700W(24V)	1700W(24V)/ 3400W(48V)
Maximum Ac Charge Current	35A(adjustable)		
Maximum Solar Charge Current	40A MPPT	60A	80A MPPT
Maximum Charging Current	75A	95A	115A

### Working mode

01 mode	AC mains priority mode
02 mode	ECO mode
03 mode	DC battery priority mode
04 mode	Generator mode
05 mode	Unattended mode

### Communication Port

Type	RS485, available for wifi box & external control screen
------	---

### Packing Details

Dimension, D*W*H(MM)	610*490*260	610*490*280	760*500*290
G.W.(KGS)	18	22	25

### Environment

Humidity	0-95% (NO CONDESNATION)
Operating Temperature	0-60°C
Storage Temperature	0-60°C

\*Product Specifications Are Subject To Change Without Further Notice