



# TG Series Hybrid Solar Inverter

## 1.5~6KW Available



### Display:

LED and LCD display with multi-function, Real-time display of dynamic values



### Transfer Efficiency:

Continuous stable pure sine wave output with built-in AVR stabilizer. Complete isolate surge interference of input & output's voltage and current, Impact resistance, super load capacity



### Charger:

Built-in automatic AC charger and the charge current can be adjusted from 0%-100%. Built in MPPT solar charging controller, Efficiency more than 99%



### Batteries:

Support LifePO4, Sealed, Gel, AGM, Flooded, Lithium Batteries



### Protections:

Battery low voltage alarm / Battery high voltage alarm / Over temperature protection / Over load protection / Short Circuit protection



### RS485 Communication:

Available for Wifi box & External screen control

Model	TG-152	TG-202	TG-302	TG-402	TG-502	TG-602
Rated power	1.5KW	2KW	3KW	4KW	5KW	6KW
	2KVA	3KVA	4KVA	5.5KVA	7KVA	8KVA
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 (BATT. Mode)	(DC Batt.mode)220vac±3%
Transfer Time	≈4ms
Wave Form	Pure Sine Wave
Transformer type	Toroidal
Transfer efficiency	≈85%

### Battery

Battery Voltage	12V/24V	12V/24V/48V	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

Maximum PVArray Open Circuit Voltage	150VDC		
Maximum Pv Array Power	600W(12V)/1200W(24V)	900W(12V)/1700W(24V)	900W(12V)/1700W(24V)/3400W(48V)
Maximum Ac Charge Current	60A(adjustable)		
Maximum Solar Charge Current	40A MPPT	60A MPPT	80A/100A MPPT
Maximum Charging Current	75A	120A	140A

### 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
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### Physical

Dimension, D*W*H(MM)	560*440*190			650*440*220		
G.W.(KGS)	18	21	25	34	36	38

### Environment

Humidity	0~95% (NO CONDESNSATION)
Operating Temperature	0~60℃
Storage Temperature	0~60℃

\*Product Specifications Are Subject To Change Without Further Notice