

Hybrid Solar Inverter TG Series



Smart control

Five smart control mode, auto switch for different demand



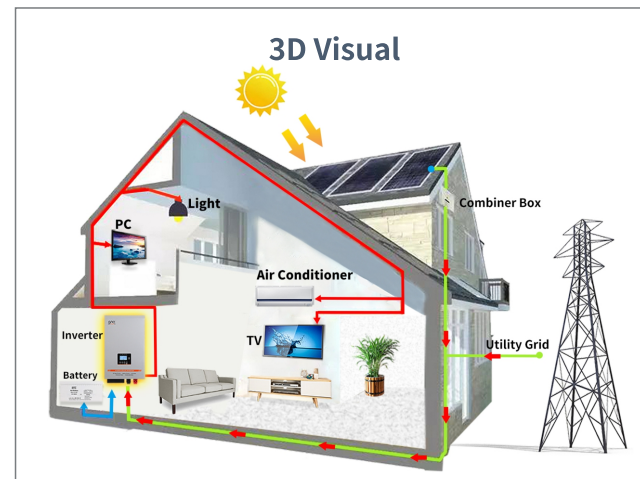
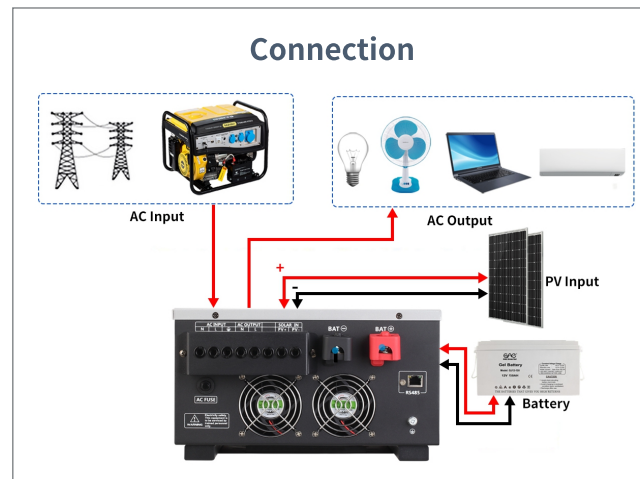
Stable & Durable

Inbuilt toroidal transformer, triple surge power, stabilize power, stable and durable.



Battery Type

Support SLA/GEL/AGM/lithium lifepo4 battery



Technical Specification

| Model | TG-152 | TG-202 | TG-302 | TG-402 | TG-502 | TG-602 | TG-103 |
|--------------------------------------|---------------------------------------------------------------------------------------|-------------|-----------------------|-----------------------|--------|-------------|--------|
| Rated power | 1.5KW | 2KW | 3KW | 4KW | 5KW | 6KW | 10KW |
| Surge power | 4.5KW | 6KW | 9KW | 12KW | 15KW | 18KW | 30KW |
| 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 | 24V | 24V/48V | 24V/48V | | 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 | 570W(12V)/1130W(24V) | 1700W(24V) | 1700W(24V)/3400W(48V) | 2260W(24V)/4540W(48V) | | 5600W(48V) | |
| Maximum Ac Charge Current | 35A(adjustable) | | | | | | |
| Maximum Solar Charge Current | 40A MPPT | 60A MPPT | | 80A MPPT | | 100A | |
| Maximum Charging Current | 75A | 95A | | 115A | | 135A | |
| 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 | | | | | | |
| Physical | | | | | | | |
| Dimension, D*W*H(MM) | 610*490*210 | 610*490*280 | | 760*500*290 | | 882*580*240 | |
| G.W.(KGS) | 19.5 | 22 | 25 | 32 | 35 | 36 | 65 |
| Environment | | | | | | | |
| Humidity | 0~95% (NO CONDENSATION) | | | | | | |
| Operating Temperature | 0~60°C | | | | | | |
| Storage Temperature | 0~60°C | | | | | | |

*Product Specifications Are Subject To Change Without Further Notice