

TG-SERIES 1.5KW-6KW HYBRID INVERTER

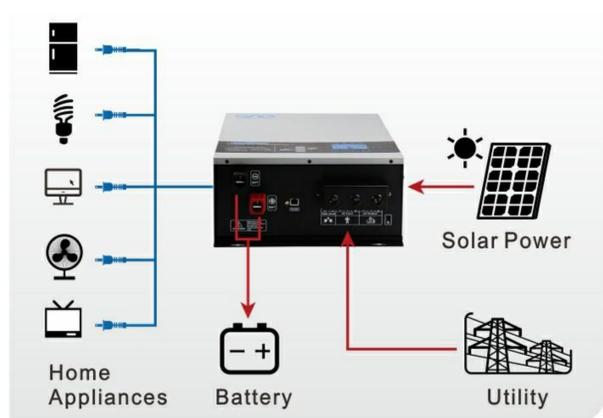
HYBRID INVERTER



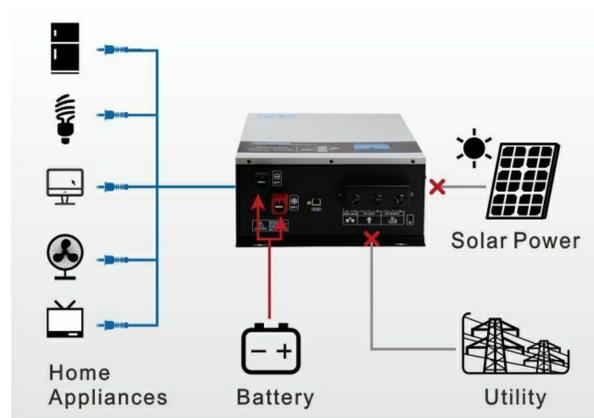
1. Built-in MPPT solar controller for maximum power point tracking, mppt efficiency is up to 99%.
2. DSP Intelligent control chip.
3. Result fetched from effective value, not average value.
4. Photoelectricity isolation circuitry technology.
5. Switching power is supplied by the independent system.
6. True over temperature protection.
7. The full bridge rectifier and mainboard structure are highly optimized. Input and output circuits are isolated.
8. Strong loading capacity with a true onetime soft start.
9. New and original electronic components.
10. Internal circuit lines and signal lines are based on plug-pull blocks, not welding.

Hybrid Inverter with MPPT solar charge controller

1 Solar Power and AC Power available



2 Solar Power and AC Power not available



TG-SERIES HYBRID INVERTER SELECTION GUIDE

| MODEL | TG-152 | TG-202 | TG-302 | TG402 | TG-502 | TG-602 |
|---------------------------------------|----------------------------------|--------|-------------|-----------------------|-------------|--------|
| RATED POWER | 1.5KW | 2KW | 3KW | 4KW | 5KW | 6KW |
| SURGE POWER | 4.5KW | 6KW | 9KW | 12KW | 15KW | 18KW |
| INPUT | | | | | | |
| VOLTAGE | 220VAC | | | | | |
| SELECTABLE VOLTAGE RANGE | 145-265VAC | | | 170-265VAC | | |
| FREQUENCY RANGE | 50Hz/60Hz±5Hz | | | | | |
| OUTPUT | | | | | | |
| AC VOLTAGE REGULATION(BATT. MODE) | (DC BATT.MODE)220VAC±3% | | | | | |
| TANSFER TIME | ≤5ms | | | | | |
| WAVE FORM | PURE SINE WAVE | | | | | |
| BATTERY | | | | | | |
| BATTERY VOLTAGE | 12V/24V | | | 24V/48V | | |
| FLOATING CHARGE VOLTAGE | 13.8V(12V)/27.6V(24V)/55.2V(48V) | | | | | |
| OVERCHARGE PROTECTION | 17V(12V)/34V(24V)/68V(48V) | | | | | |
| SOLAR CHARGE & AC CHARGER | | | | | | |
| MAXIMUM PV ARRAY OPEN CIRCUIT VOLTAGE | 150VDC | | | | | |
| MAXIMUM PV ARRAY POWER | 420W(12V)/840W(24V) | | | 1400W(12V)/2800W(48V) | | |
| STANDBY POWER CONSUMPTION | 15W | | | | | |
| MAXIMUM AC CHARGE CURRENT | 35A | | | | | |
| MAXIMUM SOLAR CHARGE CURRENT | 30/50A(OPTIONAL) | | | 30-60A(OPTIONAL) | | |
| MAXIMUM CHARGING CURRENT | 85A | | | 95A | | |
| PHYSICAL | | | | | | |
| DIMENSION,D*W*H(mm) | 560*445*195 | | 560*445*215 | | 610*445*215 | |
| G.W.(KGS) | 18 | 18.3 | 22.1 | 24.4 | 27.3 | 38 |
| ENVIRONMENT | | | | | | |
| HUMIDITY | 0~95% (NO CONDESNSATION) | | | | | |
| OPERATING TEMPERATURE | 0~60°C | | | | | |
| STORAGE TEMPERATURE | 0~60°C | | | | | |

*PRODUCT SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT FURTHER NOTICE