



TG Series Hybrid Solar Inverter 1.5~6KW Available

Intelligent Control

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

High efficiency

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

Charger

- Inbuilt 35A AC charger
- Inbuilt 40A/60A/80A MPPT solar charger

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

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)	2300W(24V)/4500W(48V)		
Maximum Ac Charge Current	35A(adjustable)					
Maximum Solar Charge Current	40A MPPT	60A MPPT		60A/80A MPPT (optional)		
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
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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