



Technical Specifications(Inverter)



MODEL	TG-HYB-3600	TG-HYB-5000	TG-HYB-6000
PV INPUT (DC)			
Recommend max.PV input power	8700 Wp	10000 Wp	11000 Wp
Max. PV voltage	600V		
Min. operation/Start-up Voltage	40V/50V		
Rated PV input voltage	360V		
No.of independent MPPT inputs/strings	2/1		
Input/Output (AC)			
Max. AC input power from grid	8700 VA	10000 VA	11000 VA
Rated AC output power	3680 W	5000 W	6000 W
Max. AC output power	3680 W	5000 W	6000 W
Rated AC voltage	220V/230V/240V		
AC voltage range	154V~276V		
Rated grid frequency	50Hz/60Hz		
Grid Type	Single phase		

Product Features

- ◆ Complete installation within 15 minutes.
- ◆ The system supports remote OTA upgrades.
- ◆ 10-40kWH available battery pack.
- ◆ Wide PV input range: 40-600Vdc.
- ◆ High PV input power, 50% higher than competitors.
- ◆ Fully compatible with high load appliances such as: air conditioning units, heat pumps, dryers.
- ◆ Build-in smart modes including self-consume, VPP, remote control, etc., to maximize users' financial savings.
- ◆ Safety and Reliability: Integrated AFC, effective arcing detection.
- ◆ Effortless installation: Full-house backup, no alteration on consumer units, plug-in terminals.
- ◆ UPS mode: Seamless transition to backup mode to assure an uninterrupted power supply.
- ◆ Cycle life is no less than 6000 cycles @80% DOD,0.5C.
- ◆ Small foot print.
- ◆ Battery cell is certificated with IEC/ UL.



All-in-one

ON/Off-grid energy storage system

Inverter Power:3.6-6KW

Battery capacity:20.48KWH

Technical Specifications(BAT&SYSTEM)

MODEL	TH-51400-SP
Nominal DC Voltage	51.2V
Battery Capacity	400Ah(200Ah*2)
Energy(KWh)	20.48KWh
Maximum Discharging Current	100A
Cycle Life	6000Cycles(80% DOD)
Certification	UN38.3,MSDS,CE-EMC,IEC62619,UL1973

System General Data

Temperature range	-20 ~ 60°C
Environment humidity	0-95%
Dimensions (H*W*D) mm	1895*620*212mm
Net Weight (kg)	220KG
Communication method	WIFI/4G
Grid connection certification	CE-LVD;CE-EMC;EN50549;1/CEI-021;VDE4105/0124; G99;IEC61727/62116/61683;NA/EEA-NE7-CH2020;

Efficiency		
Max. efficiency	97.50%	97.70%
European efficiency	97%	97.3%

Protection&Function	
Protection	DC reverse polarity/ AC short circuit/ Leakage/ Battery input reverse polarity
Surge Protection	DC type II/AC type II
DC swith(PV) /DC fuse(battery)	Yes
Battery input reverse polarity protection	Yes

General Data	
Dimensions (W*H*D)	600*365*180mm
Weight	≤20kg
Degree of protection	Ip65
Operating ambient temperature range	-25°C~60°C,0~100%
Max. operating altitude	4000m

General Data	
Rated output power for backup load	6000 W

Backup Data (off-grid model)			
Rated voltage	220V/230V/240V(±2%)		
Frequency range	50Hz/60Hz(±0.5%)		
Rated output power	3680 W /3680 VA	5000 W /5000 VA	5000 W /6000 VA
Peak output power	8400 VA,10s		

*These figures may vary depending on different AC voltage and contry regulation.Product specifications are subject to change without further notice.