



Product Features

- ◆ Complete installation within 15 minutes;
- ◆ The system supports remote OTA upgrades;
- ◆ 5-35KWh 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 unit, 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:5-35KWH

Technical Specifications(BAT&SYSTEM)

MODEL	TH-51100-SP		
Nominal DC Voltage	51.2V		
Battery Capacity	100Ah	200Ah(100Ah*2)	300Ah(100Ah*3)
Energy(KWh)	5.12KWh	10.24KWh	15.36KWh
Maximum Discharging Current	100A		
Cycle Life	6000Cycles(80% DOD)		
Certification	UN38.3,MSDS,CE-EMC		

System General Data

Temperature range	-20 ~ 60°C		
Environment humidity	0-95%		
Dimensions (H*W*D) mm	985*630*205mm	1316*630*205mm	1648*630*205mm
Net Weight (kg)	130kg	180kg	230kg
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;		

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		
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.