

**All-in-One ESS series-
TG-ESS
ON/Off-grid energy storage
system**



▲ This picture is for reference only, subject to the real thing !



Unshakable Safety and Rock-Solid Stability ,module-pack-system,triple protection.



Built- in power distribution box,one-stop solution for wiring and switching.



Plug and play design : easy installation, time, space and costsaving.



The perfect combination of inverter and battery.



Mobile APP Monitoring, control anywhere with our app and cloud platform.



High-end light luxury style, perfectly suits the European markets.

MODEL		TH-51200-SP	
Nominal DC Voltage		51.2V	
Battery Capacity	200Ah	400Ah(200Ah*2)	
Energy(KWh)	10.24KWh	20.48KWh	
Maximum Discharging Current		120A	
Cycle Life		6000Cycles(80%DOD)	
Certification		UN38.3,MSDS,CE-EMC,IEC62619,UL1973	
Environment humidity		0-95%	
Dimensions(H*W*D)mm	1300*620*212mm	1895*620*212mm	
Net Weight(kg)	120KG	220KG	
Communication method		WIFI/4G	
Grid connection certification		EN50549-1,EN50549-10,PTPIREE,NCRFG,VDE4105,AS/NZS4777.2,NRS-097-2-1	

All in One ESS series-TG-ESS

MODEL		TG-HYB-5000	TG-HYB-6000
PV INPUT(DC)			
Recommend max.PVi nput power	10000Wp	11000Wp	
Max.PV input voltage		600V	
Min.operation/Start-up Voltage		40V/50V	
Rated PV input voltage		360V	
MPPT Voltage Range		40-560V	
No.of independent MPPT inputs		2	
Max.PV input current		16A	
Max.DCs hort-circuit current		20A	

INPUT/OUTPUT(AC)

Max.AC input power from grid	10000VA	11000VA
Rated AC output power	5000W	6000W
Rated AC output current (at 230V)	21.8A	26.1A
Rated AC voltage	220V/230V/240V	
AC voltage range	154V-276V	
Rated grid frequency	50Hz/60Hz	
Grid frequency range	45-55Hz/55-65Hz	

EFFICIENCY

Max. efficiency	97.70%
European efficiency	97.30%
PROTECTION&FUNCTION	Grid monitoring/DC reverse polarity protection/AC short circuit protection/Leakage current protection /DCs witch (PV) /DC fuse (battery) /Battery input reverse polarity protection
SurgeProtection	DC type II /AC type II

BATTERY DATA

Battery Type	Li-ion battery
Battery voltage	40-59V
Max.charge/discharge current	100A
Max.charge/discharge power	5000W

GENERAL DATA

Dimensions(W*H*D)	600*365*180mm
Weight	≤25kg
Degree of protection	IP65

BACKUP DATA (ONGRIDMODEL)

Rated output power for backup load	6000W
Rated output current for backup load	27A

BACKUP DATA (OFF GRID MODEL)

Rated voltage	220V/230V/240V(±2%)
Frequency range	50Hz/60Hz(±0.5%)
Switch time to emergency model	≤10ms
Rated output power	5000W/5000VA
Peak output power	8400VA,10s

Certifications and Standards

Grid Regulation	EN50549-1,EN50549-10,PTPIREE,NCRFG,VDE4105,AS/NZS4777.2,NRS-097-2-1
Safety Regulation	IEC62109-1&2,EN62109-1&2
EMC	EN61000-6-1,EN61000-6-3,IEC61000-6-1,IEC61000-6-3