

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



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



Setting the trend and leading the industry.



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



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



Full Plug-and-Play design time,spaceand cost saving, one person can carry and install it within15 minutes.



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	100Ah	400Ah(200Ah*2)	
Energy(KWh)	5.12KWh	20.48KWh	
Maximum Discharging Current		100A	
Cycle Life		6000Cycles(80%DOD)	
Certification		UN38.3, MSDS, CE-EMC	
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	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	6000W/6000VA	
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		