

## ON/OFF-Grid Hybrid Inverter- TG-HVB 6-10KW Three Phase



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



10 years Warranty.



Flexible application :150-600V wide battery voltage range.



Max. PV input current 32A (16A/16A) : compatible across All Power Ranges of Solar Panels.



UPS Mode: Seamless transition to backup mode to assure an uninterrupted power supply.



Wide PV input range :200-1000 V



High Energy Potential: PV Input Power is much higher than AC Output Power, enabling more solar energy input.



Protection: Anti-islanding Protection, Insulation Resistance Detection and Leakage monitoring protection.

### Three phase Hybrid Solar Inverter-TG-HYB 3P

MODEL	TG-HYB-6kW-3P	TG-HYB-8kW-3P	TG-HYB-10kW-3P
<b>PV INPUT(DC)</b>			
Recommend max.PV input power	9000Wp	12000Wp	15000Wp
Max.PV input voltage		1000V	
Start-up input voltage		250V	
Rated PV input voltage		600V	
MPPT Voltage Range		200-950V	
No.of independent MPPT inputs		2	
Max. PV input current	32A(16A/16A)		48A(16A/32A)
Max.input short-circuit current	40A(20A/20A)	40A(20A/20A)	60A(20A/40A)
<b>INPUT/OUTPUT(AC)</b>			
Max.AC input power from grid	15000VA	18600VA	20600VA
Rated AC output power	6000W	8000W	10000W
Rated AC output current	9.1A	12.1A	15.2A
Rated AC voltage/Frequency	3/N/PE220V/380V230V/400V240V/415V		
AC voltage range	270V-480V		
Rated grid frequency	50Hz/60Hz		
Grid frequency range	45-55Hz/55-65Hz		
<b>EFFICIENCY</b>			
Max. efficiency	98.20%		98.40%
European efficiency	97.50%		97.90%
<b>PROTECTION&amp;FUNCTION</b>			
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		
<b>BATTERY DATA</b>			
Battery voltage	150-600V		
Max.charge/discharge current	30A/30A		
Max.charge/discharge power	9000W/7200W	10600W/10600W	10600W/10600W
<b>BACKUP DATA(off-gridmodel)</b>			
Rated voltage	3/N/PE220V/380V230V/400V240V/415V		
Frequency range	50Hz/60Hz(±0.5%)		
Rated output power	6000W/6000VA	8000W/8000VA	10000W/10000VA
Peak output power	7200VA5min/10000VA,10s	9600VA,5min	12000VA,5min
<b>GENERAL DATA</b>			
Dimensions(W*H*D)	450*550*186mm		
Weight	31KG		
Degree of protection	IP65		
Operating ambient temperature range	-25°C-60°C		
<b>Certifications and Standards</b>			
Grid Regulation	EN50549-1,EN50549-10,PTPIREE,NCRFG,VDE4105,AS/NZS 4777.2,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		