

FM-HYB 3P

CE MSDS IEC UL ISO UN38.3 CEI 0-21



Flexible Application

150-600V wide battery voltage range



Active Safety

AFCI active arcing protection



High PV Modules

DC 15A/ string, matched with ultra power solar panel



Product Certification

CE, VDE, CEI, RD, UKCA, etc

MODEL	TG-HYB-5kW-3P	TG-HYB-6kW-3P	TG-HYB-8kW-3P	TG-HYB-10kW-3P
Input (DC)				
Recommend max.PV input power	7500W	9000W	12000W	15000W
Max. PV input voltage	1000V			
Start-up input voltage	180V			250V
Rated PV input voltage	600V			
MPPT voltage range	150-950V			200-950V
No.of independent MPPT inputs	2			
Default No. of PV strings per MPPT	1/1			1/2
Max. input current	32A(16A/16A)			48A(16A/32A)
Max. input short-circuit current	40A(20A/20A)			60A(20A/40A)
Input/Output (AC)				
Max. AC input power from grid	12500 VA	15000 VA	18600 VA	20500 VA
Rated AC output power	5000W	6000W	8000W	10000W
Max. AC output power	5500W	6600W	8800W	10000W
Rated AC output current	7.6A	9.1A	12.1A	15.2A
Max. AC output current	8.4A	10.0A	13.3A	16.7A
AC voltage range	270-480V			
Grid frequency range	45-55Hz			
Harmonic(THD) at rated burden	<3%			
Power factor at rated power	>0 .99			
Adjustable power factor	adj.0.8. leading to 0.8 lagging			
Efficiency				
Max. efficiency	98.00%	98.20%	98.40%	98.40%
European efficiency	97.20%	97.50%	97.90%	97.90%
Protection & Function				
Protection	LVRT/ DC reverse polarity/AC short circuit/Leakage current/Battery input reverse polarity			
Surge protection	DC type II /AC type II			
DC swith(PV/ DC fuse(battery)	Yes			
Battery Data				
Battery type	Li-ion battery			
Battery voltage	150-600V			
Max. charge/discharge current	30A			
Max. charge power	7500W	9000W	10600W	10600W
Max. discharge power	6000W	7200W	10600W	10600W
General Data				
Dimension W*D*H(mm)	555*450*186			
Packing Dimension W*D*H(mm)	677*546*324			
Net weight(kg)	<32			
Gross weight(kg)	<36			
Degree of protection	IP65			
Operating ambient temperature range	-25°C~60°C, 0~100%			
Max. operating altitude	4000m			
Display	LED indicator			
Communication	RS485/CAN/WLAN			
Backup Data				
Rated voltage/ Frequency	3/N/PE 380V/ 400V/ 415V(±2%), 50Hz/60Hz(±0.5%)			
Total output THDV for liner load	≤2%			
Switch time to emergency model	≤10 ms			
Rated output power	5000W/5000VA	6000W/6000VA	8000W/8000VA	10000W/10000VA
Peak output power	6000VA 5min/ 10000 VA,10s	7200VA 5min/ 10000 VA,10s	9600VA 5min	12000VA 5min