



5K Single Phase Hybrid Inverter GO-5K-TL-SG



Faster & Bigger

The charging and discharging speed is faster, the charging and discharging current is bigger.



High Level Protection

IP65, suitable for indoor and outdoor, reliable operation in the face of extreme weather.



Intelligent Management

Support WiFi and GPRS wireless monitoring, and realize unmanned operation without EMS.



Ultra Fast Switching

On-grid and off-grid seamless switching, and on/off grid switch time < 1 Oms.



Superior Performance

Strong output capacity and high load adaptability. Full power output in off grid state.

Technical Specification

Model	GO-5K-TL-SG
PV Parameters	
Maximum Output Power	6000W
Maximum DC Voltage	580V
Maximum Input Current	11A/ 11A
DC Overcurrent Protection	14A
MPPT Voltage Range	125V~550V
MPPT Input Circuit Number	2
Battery Parameters	
Battery Type	Lithium battery
Battery Voltage Range	40V~58V
Rated Battery Voltage	48V
Maximum Charge and Discharge Efficiency	95%/ 94%
Maximum Charge and Discharge Current	70A/ 100A
AC Side Parameters	
Rated Power Grid Power	5000W
Power Grid Voltage Range	170V-280V
Rated Power Grid Frequency	50/ 60Hz
Maximum AC Input/ Output Current	22.8A/ 22.8A
Power Factor	-0.8 overexcited, 0.8 underexcited
THDi	< 3%
Load Side Parameter	
Rated Power	5000W
Maximum Output Current	22.8A
Overcurrent Protection Rated	21.7A
Power Factor	-0.8 overexcited, 0.8 underexcited
THDi	< 3%
Efficiency	
MPPT Power	99.90%
European Efficiency	97%
Max. Efficiency	97.60%
Conventional Parameters	
Dimension (Width/Height/Thickness)	495*516*152mm
Weight	< 25kg
Operating Temperature	-25℃~60℃
Noise Index	25dB
Relative Humidity	0%~95%
Operating Altitude	< 2000
Cooling Mode	Natural Cooling
Protection Level	IP65
Protective Function	
Anti-islanding Protection	YES
DC Switch (PV)	YES
Output Overcurrent Protection	YES
Output Overvoltage Protection	YES
Output Short Circuit Protection	YES
Characteristics	
Display	LED
Communication Interface	RS485/ WIFI/ GPRS
Quality Guarantee	5

* Under specific test conditions.