

GUDEOX

QG-T30~50K Three-phase Ongrid Inverter

30kW / 33kW / 36kW / 40kW / 45kW / 50kW



Efficient and reliable

Fanless design to prolong lifespan with full auto-protection
AFCI protection, proactively reduces fire risk



User friendly

Color LED display with intuitive multilingual software
Online monitoring via app
Remote control and upgrade function
Night SVG function to decrease the loss of revenue



Easy to install

Pre-wired communication cables for plug and play
Parallel installation of up to 10 units

| **POWERING A SUSTAINABLE WORLD** |

Technical Data

QG-T30K

QG-T33K

QG-T36K

QG-T40K

QG-T45K

QG-T50K

DC input						
Maximum input power	45kWp	49.5kWp	54kWp	60kWp	67.5kWp	75kWp
Maximum DC power of MPPT	20kW					
Number of MPPT	3			4		
Number of PV string	6			8		
Maximum input voltage	1100V					
Start-up voltage	200V					
Rated voltage	620V					
MPPT voltage range	180V~1000V					
MPPT full power voltage range	480V~850V	510V~850V	540V~850V			
Maximum input current	3x40A			4x40A		
Maximum short circuit current	3x50A			4x50A		
AC output						
Rated output power	30kW	33kW	36kW	40kW	45kW	50kW
Maximum output power	34kVA	37kVA	40kVA	44kVA	50kVA	55kVA
Rated output current	45.5A	50.0A	54.5A	60.6A	68.2A	75.8A
Maximum output current	51.5A	56.0A	60.6A	66.7A	75.8A	83.3A
Nominal output voltage	3P/N/PE, 400Vac					
Grid voltage range	310Vac~480Vac (according to local grid standard)					
Nominal output frequency	50Hz/60Hz					
Grid frequency range	45Hz~55Hz / 54Hz~66Hz (according to the local grid standard)					
Output current THD	< 3%					
Output power factor	1 (-0.8~+0.8 adjustable)					
Performance data						
Maximum efficiency	98.6%			98.8%		
EU efficiency	98.0%					
MPPT efficiency	> 99.9%					
Self-consumption power at night	< 3W					
DC reverse polarity protection	Yes					
DC switch	Yes					
String fault detection	Yes					
Safety protection	Anti-islanding protection, Leakage protection, Ground fault monitoring					
Anti backflow protection	Yes					
AFCI protection	Optional					
PID protection	Optional					
Input/Output SPD	PV: type II, AC: type II					
General data						
Operating temperature	-30°C~60°C					
Operating relative humidity	0%~100%					
Noise emission	≤60dB					
Cooling method	Intelligent redundant fan-cooling					
Maximum working altitude	4000 m					
Display screen	LCD + LED + APP					
Communication interface	RS485/USB, Optional: WiFi/GPRS/4G/PLC					
Warranty	10 years (extendable)					
Ingress protection rating	IP65					
Protective class	Class I					
Weight	36 kg			37 kg		
Dimensions (WxDxH)	585x220x480 mm					
Certifications and standards						
EMC	EN61000-6-1/2/3/4					
Safety standards	IEC/EN 62109-1/2, IEC61140					
Grid connection	CEI 0-21/CEI 0-16					