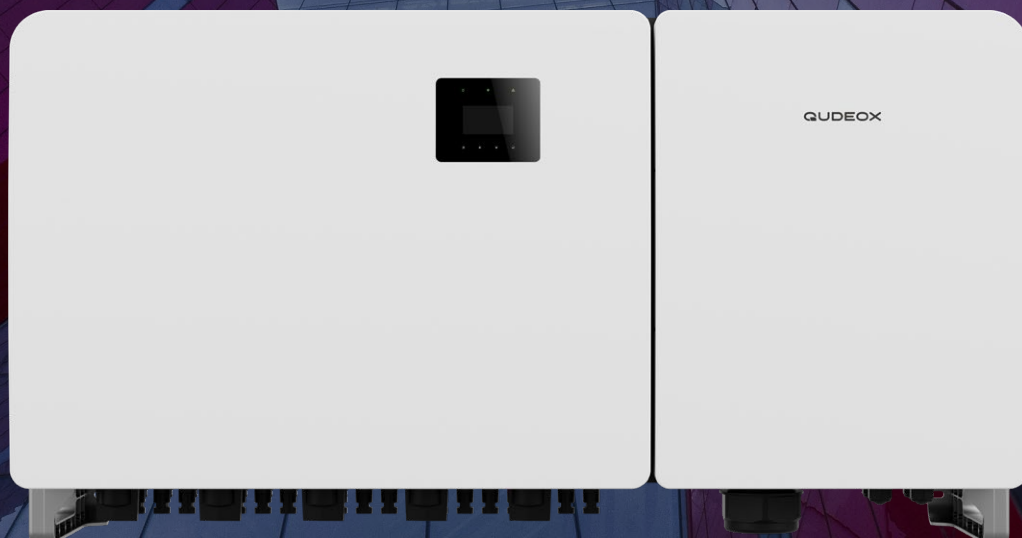


QUDEOX

QG-T110~125K Three-phase Ongrid Inverter

110kW / 125kW



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-T110K

QG-T125K

DC input		
Maximum input power	150kWp	
Maximum DC power of MPPT	15kWp	
Number of MPPT	10	
Number of PV string	10x2	
Maximum input DC power of MPPT	26A	
Maximum input voltage	1100V	
Start-up voltage	200V	
Rated voltage	620V	720V
MPPT voltage range	180V~1000V	
Maximum input current	10x30A	
Maximum short circuit current	10x40A	
AC output		
Rated output power	110kW	125kW
Maximum output power	121kVA	137.5kVA
Rated output current	158.8A	144.3A
Maximum output current	174.6A	158.8A
Maximum output fault current	104A	
Maximum output overcurrent protection	360A peak	
Nominal output voltage	3P/N/PE, 400Vac	3P/N/PE, 500Vac
Grid voltage range	320Vac~480Vac (according to the 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	98.7%	99%
EU efficiency	98.3%	98.6%
MPPT efficiency	> 99.9%	> 99.5%
DC reverse polarity protection	Yes	
DC switch	Yes	
AC short circuit protection	Yes	
String fault detection	Yes	
Anti-islanding protection	Yes	
Leakage protection	Yes	
Insulation resistance detection	Yes	
Grid monitor	Yes	
Input/Output SPD	PV: type II, AC: type II	
General data		
Operating temperature	-25°C~60°C	
Operating relative humidity	0%~100%	
Noise emission	≤65dB	
Cooling method	Intelligent redundant fan-cooling	
Maximum working altitude	4000 m	
Display screen	LCD + APP	
Communication interface	RS485/WiFi, GPRS, 4G, PLC (optional)	
Warranty	10 years (extendable)	
Ingress protection rating	IP66	
Protective class	Class I	
Weight	98 kg	
Dimensions (WxDxH)	1055x336x700 mm	
Certifications and standards		
EMC	EN61000-6-1/2/3/4	
Safety standards	IEC/EN 62109-1/2, IEC60255, IEC61140	
Grid connection	CEI 0-21/CEI 0-16	