

QUDEOX

QH-T25~30K Three-phase Hybrid Inverter

25kW / 30kW



Efficient and reliable

Retrofit function: intelligent AC coupling solution for easy upgrade of existing grid-connected systems

Smart UPS, plug & play, seamless switching under 20 seconds to give sufficient backup power for emergency use

Up to 200% surge power backup overload capability in 10 seconds



User friendly

Color LED display with intuitive multilingual software

Online monitoring via app

Remote control and upgrade function



Easy to install

Compatible with lithium-ion, lead-acid and sodium batteries

Pre-wired communication cables for plug and play

Supports single-phase and three-phase flexible parallel installation

| POWERING A SUSTAINABLE WORLD |

Technical Data

QH-T25K

QH-T30K

Input DC (PV side)		
Recommended maximum PV power	37.5kW	42kW
Start-up voltage	180V	
Maximum input voltage	1000V	
Rated voltage	600V	
MPPT voltage range	150V~850V	
Maximum input current	3x40A	
Maximum short circuit current	3x60A	
Number of MPPT / Strings per MPPT	3x6	
Battery		
Battery type	Lithium / Lead-acid	
Battery voltage range	150V~800V	
Maximum charge/discharge power	25kW	33kW
Maximum charge/discharge current	50A	70Ax2
Number of battery input	2	
Communication	CAN/RS485	
Output AC (Back-up)		
Rated output power	25kW	30kW
Maximum apparent output power	2 times of rated power, 10 S	1.5 time of rated power, 10 S
Back-up switch time	<10 ms	
Rated output voltage	3P/N/PE, 380V / 400V	
Rated output frequency	50Hz	
Rated output current	38.0A / 36.1A	45.6A / 43.3A
THDv	<2% (@ linear load)	
Input AC (Grid side)		
Maximum input power	35kW	45kW
Maximum input current	60A	65A
Rated input voltage	3P/N/PE, 380V / 400V	
Rated input frequency	50Hz	
Output AC (Grid side)		
Rated output power	25kW	30kW
Maximum apparent output power	27.5kVA	33kVA
Rated grid voltage	3P/N/PE, 380V / 400V	
Rated grid frequency	50Hz	
Rated grid output current	38.0A / 36.1A	45.6A / 43.3A
Maximum output current	41.8A / 39.7A	50.1A / 47.6A
Power factor	>0.99 (-0.8~+0.8 adjustable)	
THDi	< 3%	
Performance data		
Maximum efficiency	98.5%	97.6%
EU efficiency	98.1%	97.0%
Protection	Anti-islanding protection, Output over current protection, Short circuit protection, Integrated DC switch (optional), DC reverse-polarity protection, Surge protection (DC Type II / AC Type II), Integrated AFCI (DC arc-fault circuit protection)	
DC connection	MC4 connector	
AC connection	OT terminal	
Display	LED + Bluetooth + APP	
Communication	CAN, RS485, Ethernet; Optional: Wi-Fi, Cellular, LAN	
General data		
Operating temperature	-25°C~60°C	
Ingress protection rating	IP66	
Cooling method	Intelligent redundant fan-cooling	
Maximum operating altitude	4000 m	
Certifications	EN61000-6-1/2/3/4, IEC/EN 62109-1/2, IEC61140, CEI 0-21/CEI 0-16	
Weight	50 kg	
Dimensions (WxDxH)	460x235x680 mm	