

Energy Generation and Storage

2025
Catalogue
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QUDEOX

POWERING A SUSTAINABLE WORLD

QUDEOX



Qudeox is a brand focused on providing efficient and reliable renewable energy solutions and services for residential, commercial and industrial use. Our high-tech products provide smart, cost-effective energy options that contribute to the energy independence of users, whether in their homes and businesses.

We have an expert and dynamic team, passionate about science and technology and committed to excellence. With a forward-looking development philosophy, we never stop exploring and innovating.

Through our Partner Program, we are building a global network of distribution channels to ensure that our clean energy solutions and services reach users around the world. Join us, to grow together and build with us a sustainable world.

#Experience
#Innovation
#Service





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QH-S3~6K Single-phase Hybrid Inverter

3kW / 3.6kW / 4kW / 5kW / 6kW



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

Technical Data	QH-S3K	QH-S3.6K	QH-S4K	QH-S5K	QH-S6K
PV string input data					
Maximum DC input power	7kW		9kW		
Maximum DC input voltage	550V				
Nominal input voltage	360V				
MPPT voltage range	90V~550V				
Number of MPPT / Strings per MPPT	2/1				
MPPT maximum current	15A / 15A				
Start-up voltage	100V				
AC output/input data (On-grid)					
Nominal output apparent power	3kW	3.6kW	4kW	6kW	6kW
Maximum output apparent power	3.3kVA	4kVA	4.4kVA	5.5kVA	6.6kVA
Nominal output voltage	230V/180V~280V				
Nominal output frequency	50Hz,60Hz/±5Hz				
Rated output current	13A	15.6A	18A	22A	26A
Max. output current	14A	17A	19A	24A	29A
Power factor	-0.8~+0.8 (adjustable)				
THDi	<3% (Nominal Output)				
Grid system pattern	L+N+PE				
Maximum apparent power from grid	6kVA	7.2kVA	8kVA	10kVA	11kVA
Maximum AC current from grid	26A	31.5A	35A	43.5A	48A
Back-up output data (UPS)					
Nominal output apparent power	3kVA	3.6kVA	4kVA	5kVA	6kVA
Maximum output apparent power	4kVA, 10s	4.6kVA, 10s	5kVA, 10s	6kVA, 10s	7kVA, 10s
Nominal output voltage	208V, 220V, 230V, 240V				
Nominal output frequency	50Hz/60Hz				
Output THDV	<3%				
Automatic switch time	<10ms				
Battery input data					
Battery type	Li-ion / Lead-acid				
Battery voltage range	42V~59V				
Maximum charge/discharge current	80A		100A		
Charging strategy / Li-ion battery	Self-adaption to BMS				
Charging strategy / Lead-acid battery	Three-stage				
Efficiency					
Max. efficiency	98%				
Europe efficiency	97.5%				
Maximum battery to load efficiency	94%				
General data					
Protection	Anti islanding protection, Insulation impedance protection, RCD detection, PV reverse polarity protection, Output over voltage protection, Output over current protection				
Noise emission	<25dB				
Operating temperature	-25°C~60°C				
Cooling method	Natural cooling				
Ingress protection rating	IP65				
Maximum operating altitude	4000 m				
Self-consumption at night	<3W				
Topology	Transformerless				
Display screen	LCD				
Communication interface	WiFi, 4G, USB, CAN, RS485				
Certifications and standards	EN 62109-1, EN 62109-2, EN 62477-1, EN IEC 61000-6-1, EN IEC 61000-6-3, CEI0-21, NTS-631, RD647, UNE 217001, UNE 217002, VDE 4105, IEC 61727, IEC 62116, IEC 61683, EN 50549-1, G98, G99, NRS 097/UTE C 15-712, DIN V VDE V O126				
Weight	20 kg				
Dimensions (WxDxH)	375x250x363 mm				

QH-S3~6K Single-phase Hybrid Inverter

3kW / 3.6kW / 4kW / 5kW / 6kW



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

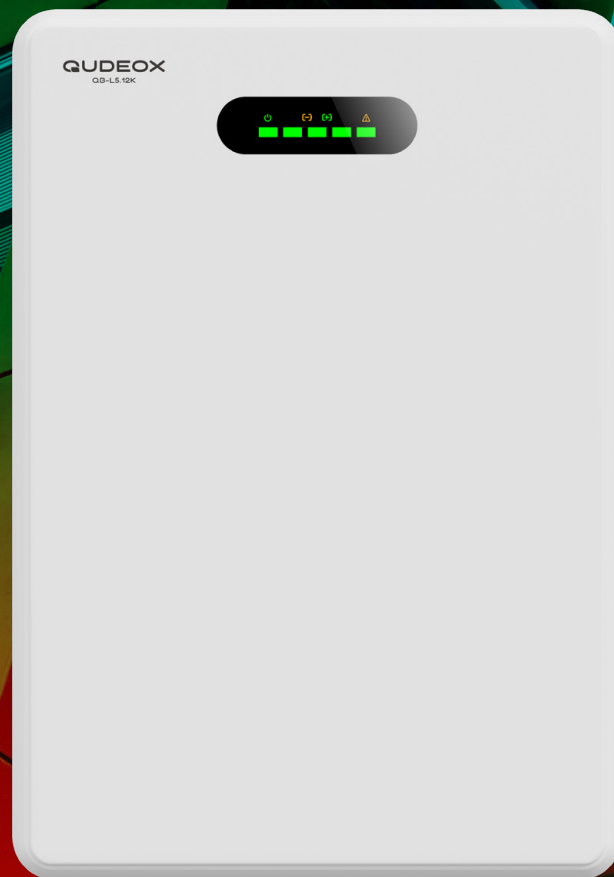
Pre-wired communication cables for plug and play

Supports single-phase and three-phase flexible parallel installation

Technical Data	QH-S3K	QH-S3.6K	QH-S4K	QH-S5K	QH-S6K
Input DC (PV side)					
Recommended maximum PV power	7kW		11kW		
Start-up voltage	100V				
Maximum input voltage	600V				
Rated voltage	330V				
MPPT voltage range	90V~520V				
Maximum input current	20A / 20A				
Maximum short circuit current	30A / 30A				
Number of MPPT / Strings per MPPT	2/2				
Battery					
Battery type	Lithium / Lead-acid / Sodium				
Battery voltage range	42V~58V				
Battery capacity	50Ah~2000Ah				
Maximum charge/discharge power	3kW	3.6kW	5kW		
Maximum charge/discharge current	62.5A		100A		
Communication interface	CAN				
Output AC (Back-up)					
Rated output power	3kW	3.6kW	4kW	5kW	6kW
Maximum apparent output power	4.5kVA, 10s		7kVA, 10s		
Back-up switch time	<20ms				
Rated output voltage	1P/N/PE, 220V / 230V				
Rated output frequency	50Hz				
Rated output current	14A / 13.5A		23A / 22A		
THDv	<2% (@ linear load)				
Input AC (Grid side)					
Input voltage range	187V~265V				
Maximum input current	20.5A / 20A	25A / 23.5A	31.5A / 30A	34.5A / 33A	34.5A / 33A
Frequency range	45-55Hz / 55-65Hz				
Output AC (Grid side)					
Rated output power	3kW	3.6kW	4kW	5kW	6kW
Maximum apparent output power	3.3kVA	4kVA	4.4kVA	5.5kVA	6.6kVA
Rated grid voltage	1P/N/PE, 220V / 230V				
Rated grid frequency	50Hz				
Rated grid output current	13.7A / 13.1A	16.4A / 15.7A	20.9A / 20A	22.8A / 21.7A	27.3A / 26.1A
Maximum output current	15.1A / 14.4A	18A / 17.3A	23A / 22A	25.1A / 23.9A	30A / 28.7A
Power factor	>0.99 (-0.8~+0.8 adjustable)				
THDi	<2%				
Performance data					
Maximum efficiency	97.1%				
EU efficiency	96.5%				
Protection	DC reverse-polarity protection, Short circuit protection, Output over current protection, Surge protection (DC Type II / AC Type II), Ground fault monitoring, Integrated AFCI (DC arc-fault circuit protection, Activation required), Protection class/Over voltage category (I/II)				
DC connection	MC4 connector				
AC connection	Quick connection plug				
Display screen	7.0" LCD color screen display				
Communication interface	RS485, Wi-Fi, GPRS (optional)				
General data					
Operating temperature	-25°C~60°C				
Ingress protection rating	IP65				
Cooling method	Natural cooling				
Maximum operating altitude	3000 m				
Certifications and standards	EN61000-6-1/2/3/4, IEC/EN 62109-1/2, IEC61140, CEI 0-21				
Weight	20 kg				
Dimensions (WxDxH)	420x235x450 mm				

QB-L5.12K Wall Mounted LFP Battery System

Low Voltage | 5.12kWh



Efficient and reliable

High safety LiFePO4 chemistry
BMS complete protection
IP65 protection for indoor
and outdoor use



User friendly

Color LED display, with easy
to read battery status
Online monitoring via app
Remote upgrade via inverter



Easy to install

Pre-wired communication
cables for plug and play
Horizontal and vertical wall mounting
Simple lifetime energy
capacity expansion

Technical Data

QB-L5.12K

Battery type	LFP / LiFePO4 (Lithium Iron Phosphate)
Nominal voltage	51.2V
Nominal capacity	100Ah
Nominal energy	5.12kWh
Terminal type	Plug-in
Terminal torque	8.5NM
Case material	SPCC
BMS build-in	Yes
AH Efficiency - round trip	>98%
Self discharge per month	<3%
Maximum in parallel	16 pcs.
Maximum in series	Not allowed
LCD screen	Optional
Operating voltage range	44.8V~57.6V
Recommended charge voltage	57V
Maximum charge voltage	59V
Recommended charge current	20A
Maximum continuous current	100A
Recommended discharge voltage	46V
Maximum discharging voltage	44.8V
Maximum continuous discharge current	100A
Peak discharge current	150A / 3s
Cycle life	6000 cycles (0.2C, 25°C @80% DOD)
Ingress protection rating	IP65
Charge/Discharge protection temperature	0°C~55°C / -20°C~55°C
Operating temperature	-20°C~45°C
Bluetooth (App)	Optional
Heating function	Optional
Certifications and standards	CE, IEC62619, UN38.3
Weight	50 kg
Dimensions (WxDxH)	420x180x600 mm



QH-T6~10K Three-phase Hybrid Inverter

6kW / 8kW / 10kW



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

Technical Data	QH-T6K	QH-T8K	QH-T10K
Input DC (PV side)			
Recommended maximum PV power	9.6kW	12.8kW	16kW
Start-up voltage		160V	
Maximum input voltage		1000V	
Rated voltage		600V	
MPPT voltage range		200V~850V	
Maximum input current		20A / 20A	
Maximum short circuit current		30A / 30A	
Number of MPPT / Strings per MPPT	2/2	2/3	2/4
Battery			
Battery type		Lithium / Lead-acid	
Battery voltage range		120V~600V	
Maximum charge/discharge power	6kW	8kW	10kW
Maximum charge/discharge current	25A		50A
Number of battery input		2	
Communication interface		CAN/RS485	
Output AC (Back-up)			
Rated output power	6kW	8kW	10kW
Maximum apparent output power	9.6kVA, 60s	12.8kVA, 60s	16kVA, 60s
Back-up switch time		<10ms	
Rated output voltage		3P/N/PE, 380V / 400V	
Rated output frequency		50Hz	
Rated output current	9.1A / 8.7A	12.2A / 11.5A	15.2A / 14.4A
THDv		<2% (@ linear load)	
Input AC (Grid side)			
Maximum input power	9kW	12kW	15kW
Maximum input current	13.8A	18.2A	22.8A
Rated input voltage		3P/N/PE, 380V / 400V	
Rated input frequency		50Hz	
Output AC (Grid side)			
Rated output power	6kW	8kW	10kW
Maximum apparent output power	6.6kVA	8.8kVA	11kVA
Rated grid voltage		3P/N/PE, 380V / 400V	
Rated grid frequency		50Hz	
Rated grid output current	9.1A / 8.7A	12.2A / 11.5A	15.2A / 14.4A
Maximum output current	10A / 9.6A	13.4A / 12.7A	16.7A / 15.8A
Power factor		>0.99 (-0.8~+0.8 adjustable)	
THDi		<3%	
Performance data			
Maximum efficiency	97.0%	97.5%	97.9%
EU efficiency	97.1%	97.4%	97.5%
Protection	Anti-islanding protection, Output over current protection, Short circuit protection, Integrated AFCI (DC arc-fault circuit protection), Integrated DC switch, DC reverse-polarity protection, PV over voltage protection, Battery reverse protection		
DC connection	MC4 connector		
AC connection	Quick connection plug		
Display screen	LED + Bluetooth + APP		
Communication interface	CAN, RS485, Wi-Fi, LAN (optional)		
General data			
Operating temperature	-25°C~60°C		
Ingress protection rating	IP66		
Cooling method	Natural cooling		
Maximum operating altitude	4000 m		
Certifications and standards	EN61000-6-1/2/3/4, IEC/EN 62109-1/2, IEC61140, CEI 0-21/CEI 0-16		
Weight	25 kg		
Dimensions (WxDxH)	420x235x530 mm		

QH-T12~20K Three-phase Hybrid Inverter

12kW / 15kW / 20kW



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

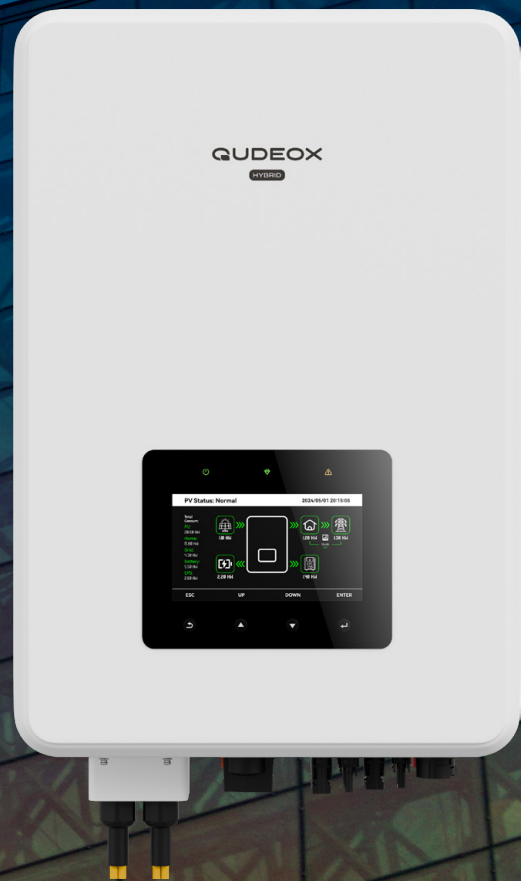
Pre-wired communication cables for plug and play

Supports single-phase and three-phase flexible parallel installation

Technical Data	QH-T12K	QH-T15K	QH-T20K
Input DC (PV side)			
Recommended maximum PV power	19.2kW	24kW	32kW
Start-up voltage		160V	
Maximum input voltage		1000V	
Rated voltage		600V	
MPPT voltage range		200V~850V	
Maximum input current		20A / 20A / 20A / 20A	
Maximum short circuit current		30A / 30A / 30A / 30A	
Number of MPPT / Strings per MPPT		4/4	
Battery			
Battery type		Lithium / Lead-acid	
Battery voltage range		120V~800V	
Maximum charge/discharge power	12kW	15kW	20kW
Maximum charge/discharge current		50A	
Number of battery input		2	
Communication interface		CAN/RS485	
Output AC (Back-up)			
Rated output power	12kW	15kW	20kW
Maximum apparent output power		2 times of rated power, 10s	
Back-up switch time		<10ms	
Rated output voltage		3P/N/PE, 380V / 400V	
Rated output frequency		50Hz	
Rated output current	18.2A / 17.3A	22.8A / 21.7A	30.4A / 28.9A
THDv		<2% (@ linear load)	
Input AC (Grid side)			
Maximum input power	18kW	22.5kW	30kW
Maximum input current	27.3A	34.2A	45.6A
Rated input voltage		3P/N/PE, 380V / 400V	
Rated input frequency		50Hz	
Output AC (Grid side)			
Rated output power	12kW	15kW	20kW
Maximum apparent output power	13.2kVA	16.5kVA	22kVA
Rated grid voltage		3P/N/PE, 380V / 400V	
Rated grid frequency		50Hz	
Rated grid output current	18.2A / 17.3A	22.8A / 21.7A	30.4A / 28.9A
Maximum output current	20A / 19A	25A / 23.9A	33.4A / 31.8A
Power factor		>0.99 (-0.8~+0.8 adjustable)	
THDi		<3%	
Performance data			
Maximum efficiency		98.5%	
EU efficiency		97.5%	
Protection	Anti-islanding protection, Output over current protection, Short circuit protection, Integrated AFCI (DC arc-fault circuit protection), Integrated DC switch, DC reverse-polarity protection, PV over voltage protection, Battery reverse protection		
DC connection	MC4 connector		
AC connection	Quick connection plug		
Display screen	LED + Bluetooth + APP		
Communication interface	CAN, RS485, Wi-Fi, LAN (optional)		
General data			
Operating temperature	-25°C~60°C		
Ingress protection rating	IP66		
Cooling method	Intelligent redundant fan-cooling		
Maximum operating altitude	2000 m		
Certifications and standards	EN61000-6-1/2/3/4, IEC/EN 62109-1/2, IEC61140, CEI 0-21/CEI 0-16		
Weight	38 kg		
Dimensions (WxDxH)	420x235x530 mm		

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

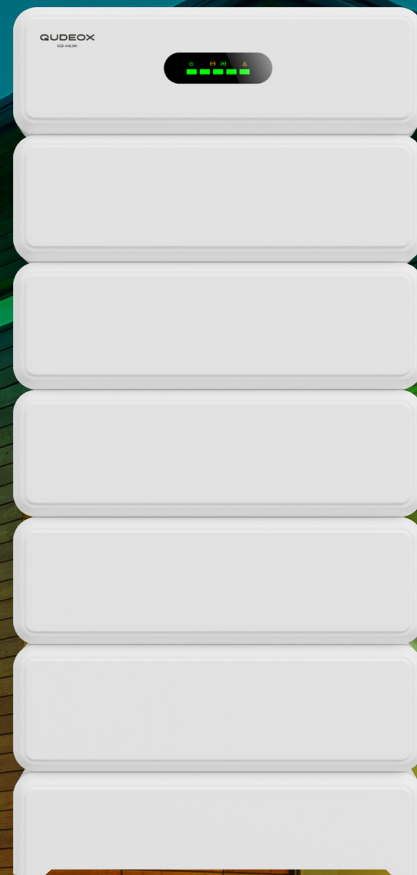
Pre-wired communication cables for plug and play

Supports single-phase and three-phase flexible parallel installation

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 interface		CAN/RS485
Output AC (Back-up)		
Rated output power	25kW	30kW
Maximum apparent output power	2 times of rated power, 10s	1.5 time of rated power, 10s
Back-up switch time		<10ms
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 screen	LED + Bluetooth + APP	
Communication interface	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 and standards	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	

QB-H2.5K Stackable LFP Battery System

High Voltage | 7.5kWh~25kWh



Efficient and reliable

- High safety LiFePO4 chemistry
- BMS complete protection
- IP65 protection for indoor and outdoor use



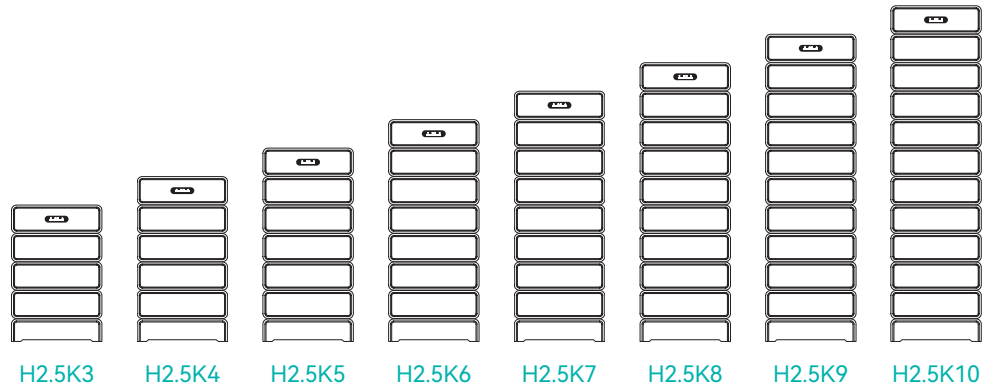
User friendly

- Color LED display, with easy to read battery status
- Online monitoring via app
- Remote upgrade via inverter



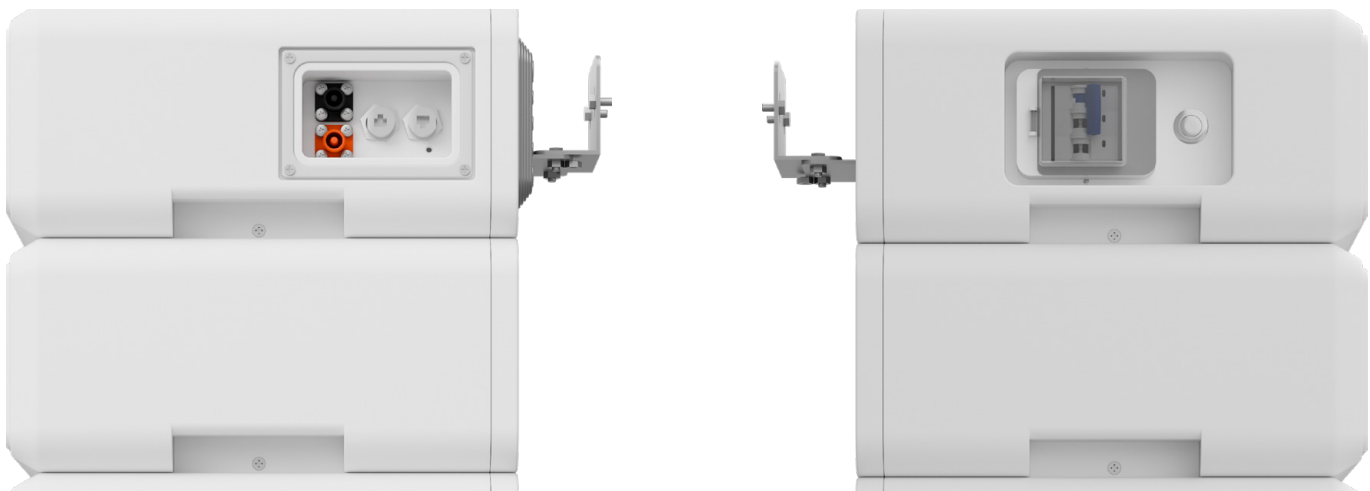
Easy to install

- Pre-wired communication cables for plug and play
- Modular design for stackable assembly
- Simple lifetime energy capacity expansion



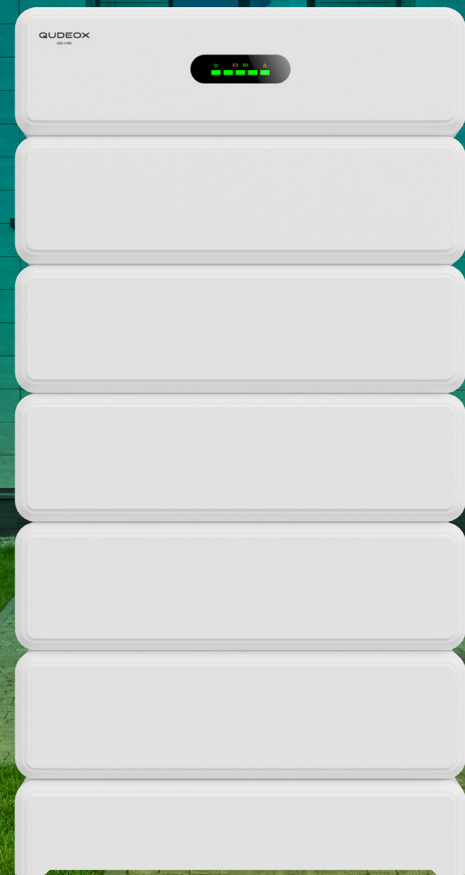
Technical Data

Battery/PDU Modules								
Battery cell type	LFP / LiFePO4 (Lithium Iron Phosphate)							
Battery cell capacity	2.56kWh / 50Ah							
Battery cell configuration	16S1P							
PDU model	QB-H2.5K-PDU							
Dimensions (WxDxH)	530x360x165 mm (Foot: 530x360x132 mm)							
General data								
Number of battery modules	3 + PDU	4 + PDU	5 + PDU	6 + PDU	7 + PDU	8 + PDU	9 + PDU	10 + PDU
Rated capacity	7.68kWh	10.24kWh	12.8kWh	15.36kWh	17.92kWh	20.48kWh	23.04kWh	25.6kWh
Rated voltage	153.6V	204.8V	256V	307.2V	358.4V	409.6V	460V	512V
Operating voltage range	120~175.2V	160~233.6V	200~292V	240~350.4V	280~408.8V	320~467.2V	400~584V	480~700.8V
Overcharge/Over-discharge protection voltage	115.2V / 86.4V (1s)							
Charge/Discharge overcurrent protection current	50A (5s) / 50A (5s), ≥90A (0.5s)							
Charge/Discharge protection temperature	0°C~55°C / -20°C~60°C							
Rated charge/discharge current	25A							
Maximum charge/discharge current	50A							
Communication interface	CAN, RS485							
Cycle life	6000 cycles							
Ingress protection rating	IP65							
Operating temperature	-15°C~45°C							
Operating relative humidity	5%~85%							
Maximum working altitude	2000 m							
Certifications and standards	CE, IEC62619, UN38.3							
Weight	110 kg	140 kg	170 kg	200 kg	230 kg	260 kg	290 kg	320 kg
Dimensions (WxDxH)	530x360x(792 / 957 / 1122 / 1287 / 1452 / 1617 / 1782 / 1947) mm							



QB-H5K Stackable LFP Battery System

High Voltage | 15kWh~50kWh



Efficient and reliable

High safety LiFePO4 chemistry
BMS complete protection
IP65 protection for indoor
and outdoor use



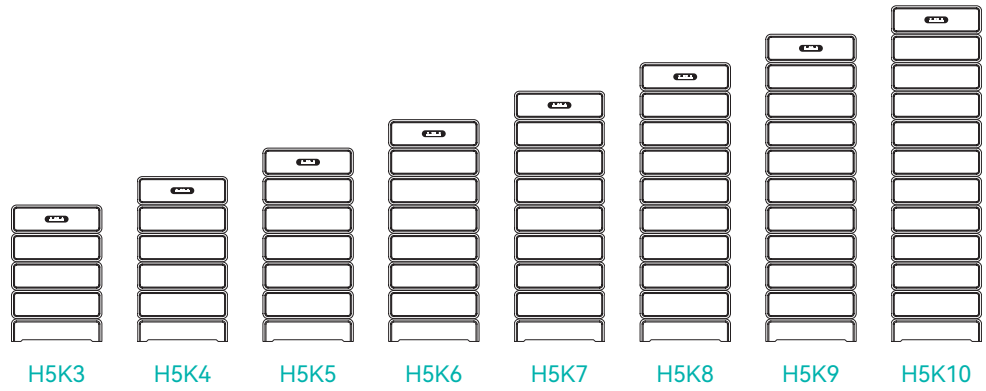
User friendly

Color LED display, with easy
to read battery status
Online monitoring via app
Remote upgrade via inverter



Easy to install

Pre-wired communication
cables for plug and play
Modular design for stackable assembly
Simple lifetime energy
capacity expansion



Technical Data

Battery/PDU Modules								
Battery cell type	LFP / LiFePO4 (Lithium Iron Phosphate)							
Battery cell capacity	5.12kWh / 100Ah							
Battery cell configuration	16S1P							
PDU model	QB-H5K-PDU							
Dimensions (WxDxH)	630x382x180 mm (Foot: 630x380x132 mm)							
General data								
Number of battery modules	3 + PDU	4 + PDU	5 + PDU	6 + PDU	7 + PDU	8 + PDU	9 + PDU	10 + PDU
Rated capacity	15.36kWh	20.48kWh	25.6kWh	30.72kWh	35.84kWh	40.96kWh	46.08kWh	51.2kWh
Rated voltage	153.6V	204.8V	256V	307.2V	358.4V	409.6V	460V	512V
Operating voltage range	120~175.2V	160~233.6V	200~292V	240~350.4V	280~408.8V	320~467.2V	400~584V	480~700.8V
Overcharge/Over-discharge protection voltage	115.2V / 86.4V (1s)							
Charge/Discharge overcurrent protection current	105A (5s) / 105A (5s), ≥180A (0.5s)							
Charge/Discharge protection temperature	0°C~55°C / -20°C~60°C							
Rated charge/discharge current	50A							
Maximum charge/discharge current	100A							
Communication interface	CAN, RS485							
Cycle life	6000 cycles							
Ingress protection rating	IP65							
Operating temperature	-15°C~45°C							
Operating relative humidity	5%~85%							
Maximum working altitude	2000 m							
Certifications	CE, IEC62619, UN38.3							
Weight	172 kg	220 kg	268 kg	316 kg	364 kg	412 kg	460 kg	508 kg
Dimensions (WxDxH)	630x382x(852 / 1032 / 1212 / 1392 / 1572 / 1752 / 1932 / 2112) mm							



QH-iHub-S/T Prewired Cable Hub Box

Single-phase/Three-phase Energy Storage Systems

DT#60
DINGT
PUTAC
YPETE
WEEB
VITYGE
HPXM
ECKTIM
DONL
ACTIVIT
TEXTN
BUTILF
GETJOB
"MAY"
MELI
NYTD
MUTA
PET
ALNEW
TIVITY
DTH40
RCHL
LDREA
PUTAC
TYPET
LUEWE
TIVITYG
DTH40P
RCHL
LDREA
DRE
DINPU
EDTT
IN3VA



Efficient and reliable

Modular, stackable design between inverter and battery system

Pre-wired system to minimize the risk of connection errors between inverter and battery system



User friendly

Compatible with our series of single-phase (QH-iHub-S) and three-phase (QH-iHub-T) hybrid inverters

Stylish aesthetics that avoids exposed wiring

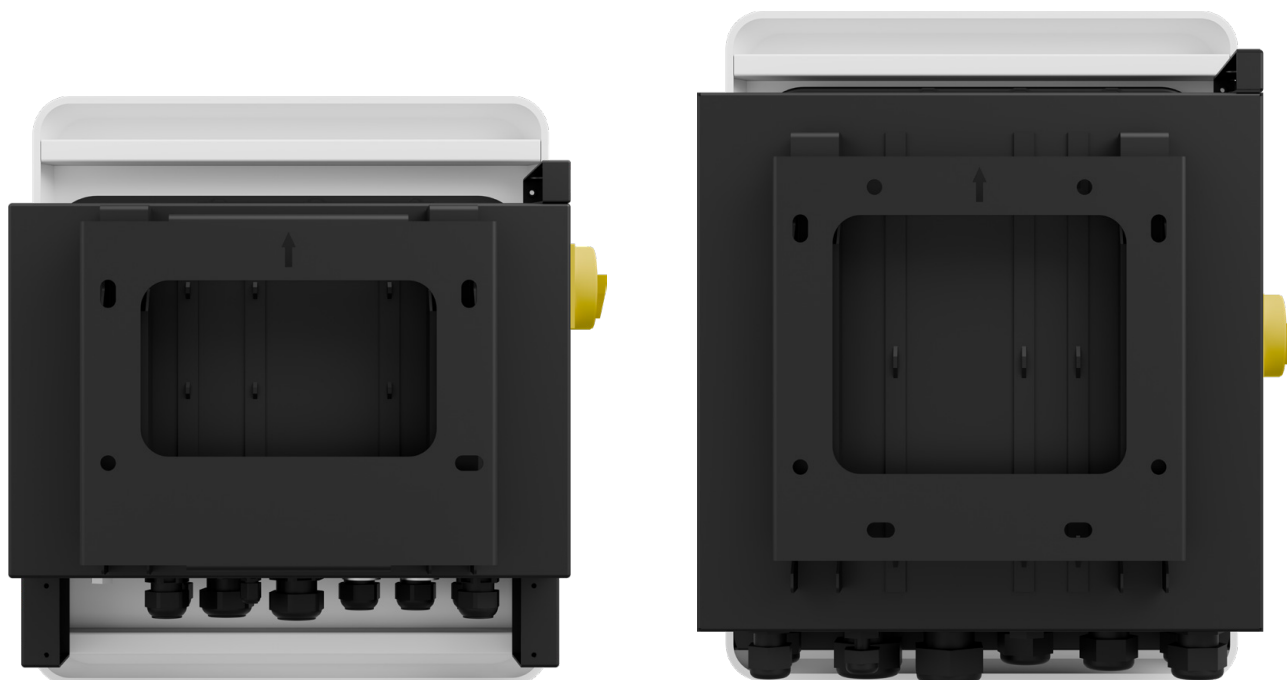


Easy to install

Simplifies connection to save installation time

Tidy wiring and cable management for enhanced safety

Technical Data	QH-iHub-S	QH-iHub-T
DC		
Maximum input voltage	600Vdc	1000Vdc
Maximum short circuit current	16A / 16A	30A / 16A
Number of MPP trackers		2
Battery		
Battery voltage range	80V~480V	180V~650V
Maximum charge/discharge current		30A
On-grid		
Rated voltage frequency	220/230/240 Vac 50Hz/60Hz	380/400/415 Vac 50Hz/60Hz
Maximum apparent on-grid input/out power	7.5kVA	20kVa
Maximum on-grid current		32A
Off-grid		
Rated voltage frequency	230Vac 50Hz/60Hz	400Vac 50Hz/60Hz
Rated power	7.5kVA	15kVA
Rated current	32.6A	24.1A
Grid		
Rated voltage frequency	220/230/240 Vac 50Hz/60Hz	380/400/415 Vac 50Hz/60Hz
Maximum input current	60A	32A
Load		
Rated voltage frequency	220/230/240 Vac 50Hz/60Hz	380/400/415 Vac 50Hz/60Hz
Maximum current	60A	24.1A
General data		
Ingress protection rating		IP54
Protection class		Class I
Operating temperature	-35°C~60°C (derating at 45°C)	-20°C~60°C (derating at 45°C)
Storage temperature		-40°C~70°C
Operating relative humidity		0%~100% (condensing)
Maximum operating altitude		3000 m
Over voltage category		III (AC) II (DC)
Cooling method		Natural cooling
Weight	10 kg	15 kg
Dimensions (WxDxH)	420x250x480 mm	420x250x550 mm



QC-215K-O Outdoor Cabinet Energy Storage System

215kWh | Oil Immersion Battery Safety System



Efficient and reliable

High safety LiFePO4 chemistry
Battery pack cooling by liquid coolant and oil immersion (unique system for maximum battery explosion-proof safety)
IP67 and IP54 ingress protection and C4 corrosion protection for indoor and outdoor installation



Easy to install and use

Multi-scenario use, easy to transport
Supports multi-cabinet parallel connection for easy system expansion
Intelligent Energy Management System (EMS); local and remote monitoring via web and mobile application



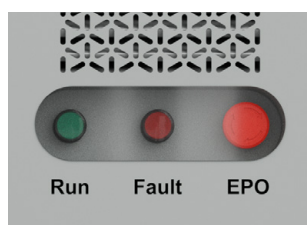
Economical and profitable

High space utilization
Energy independence and cost-effectiveness for business use
SPOT market compatible to maximize the revenue

Technical Data

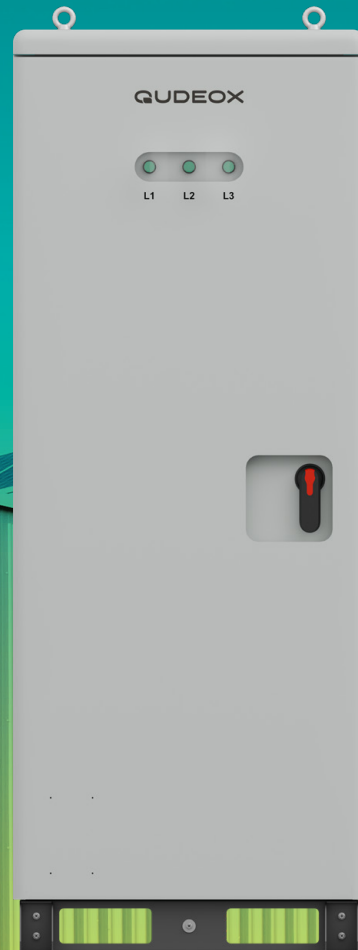
QC-215K-O

Battery data	
Battery system model	CB02
Battery type	LFP / LiFePO4 (Lithium Iron Phosphate)
Rated battery cell capacity	3.2V / 280Ah
Rated battery current	140A
Battery designation	IFpP73/175/208[1P240S]E/-20+60/95
Battery pack capacity	43kWh
Rated battery energy	215kWh
Battery pack usage	5 pcs.
Rated battery voltage	768V
Battery voltage range	684V~852V
Continuous discharge/charge current rate	0.5C
Cycle life	≥6000
AC output data	
Rated output voltage	400V
Rated output voltage range	340V~460V
Rated output power	100kW
Maximum output current	159A
Rated output frequency	50Hz/60Hz ±2.5Hz
AC access mode	3L/N/PE
Power factor	-0.99~+0.99
On-grid and off-grid switching function	Yes
Photovoltaic data	
Maximum open circuit voltage	650V
Photovoltaic voltage	300V~650V
Maximum current	200A
Access channel	1
General data	
Ingress protection rating	IP67 (battery pack), IP54 (electrical compartment)
Protective class	Class I
Anti-corrosion protection	C4 (optional upgrade to C5)
Overvoltage category	III
Communication interface	RS485, CAN
Communication protocol	Modbus-RTU, CAN
Electrical supply system	TN
Cooling method	Battery pack: liquid coolant cooling (design pressure: 350kPa) and oil immersion (explosion-proof system); PCS: air cooling
Fire fighting system	Fire detector; Sound and light alarm; Active/passive activating aerosol fire extinguisher
Operating temperature	-20°C~50°C
Operating relative humidity	0%~95% (no condensation)
Maximum operating altitude	2000 m
Weight	2450 kg
Dimensions (WxDxH)	1370x1320x2100 mm
Certifications and standards	
CE	EN 62477-1, EN IEC 61000-6-1/2/3/4
Grid	CEI0-21:2022-03, CEI0-21:V1:2022-11, CEI0-21:V2:2024-01, CEI0-21:V2/EC:2024-03, CEI0-16:2022-03, CEI0-16:V1:2022-11, CEI0-16:V2:2023-05, CEI0-16:V3:2024-01, CEI0-16:V3/EC:2024-03
Transportation	UN38.3, MSDS, Reach Annex 17, RoHS



QCB-400V AC Combiner Cabinet

400V



Fully protection

Optimal short-circuit and over-voltage protection is available



Easy maintenance

Each integrated energy storage cabinet can be easily isolated from the system for maintenance tasks



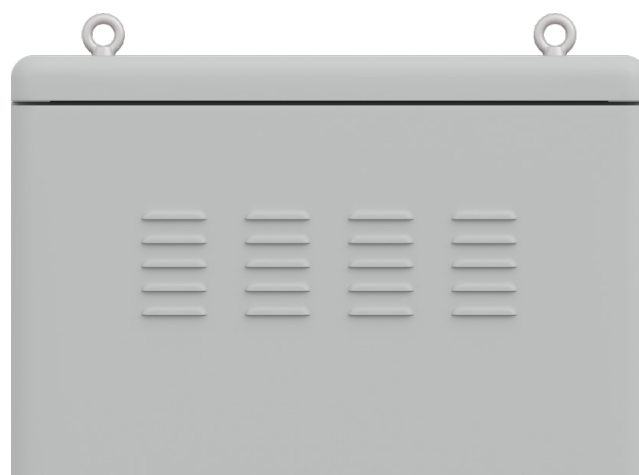
Use in harsh conditions

Withstanding ambient temperatures from -20°C to $+50^{\circ}\text{C}$, it can operate in the harshest climatic conditions

Technical Data

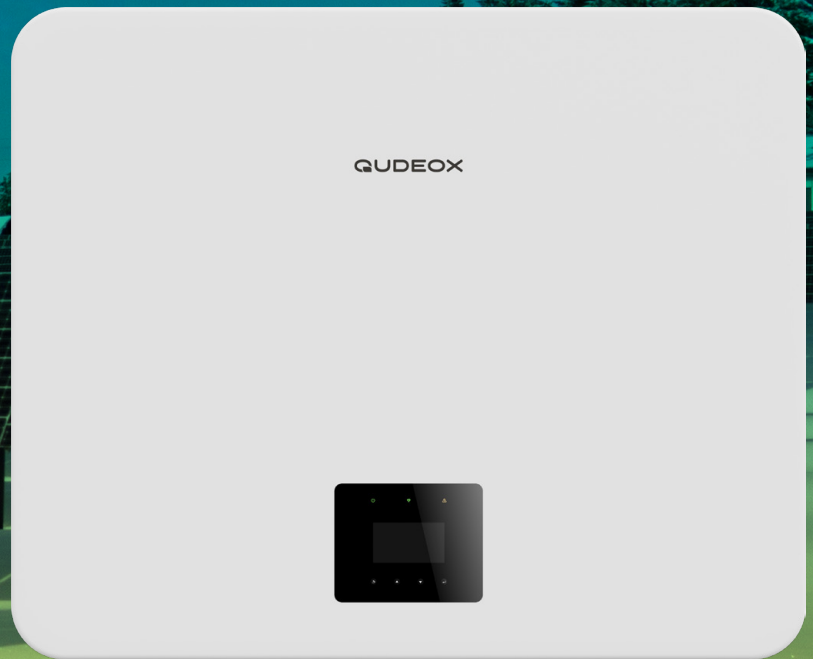
QCB-400V

Access Circuit Breaker	
Number of access circuits	5 pcs.
Model	NDM3-250L/3300 200A
Rated current	200A
ICU - Rated ultimate short-circuit breaking capacity	50kA
ICS - Rated service short-circuit breaking capacity	40kA
Ue - Rated operational voltage	AC380/400/415V
Output Circuit Breaker	
Output circuit number	1 pc.
Model	NDM2-800M/3300 800A
Rated current	800A
ICU - Rated ultimate short-circuit breaking capacity	75kA
ICS - Rated service short-circuit breaking capacity	56.25kA
Ue - Rated operational voltage	AC400/415V
Disconnect Switch	
Model	NDG3-800-3P+SB1-200/G3-800
Rated current	800A
Ue - Rated operational voltage	AC380/400/415V
Surge Protector	
Model	NDU1-40/440/4P
Maximum continuous working voltage	440V
Maximum discharge current	40kA
Nominal discharge current	20kA
General data	
Operating temperature	-20°C~50°C
Dimensions (WxDxH)	800x800x2100 mm



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

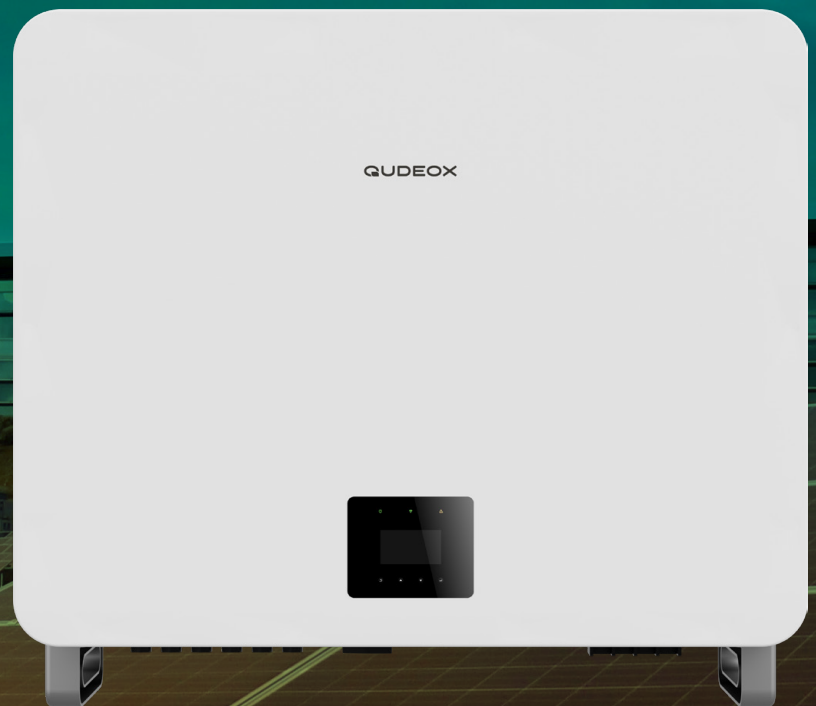
Pre-wired communication cables for plug and play

Parallel installation of up to 10 units

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 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					
Ingress protection rating	IP65					
Protective class	Class I					
Warranty	10 years (extendable)					
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					

QG-T60~70K Three-phase Ongrid Inverter

60kW / 70kW



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

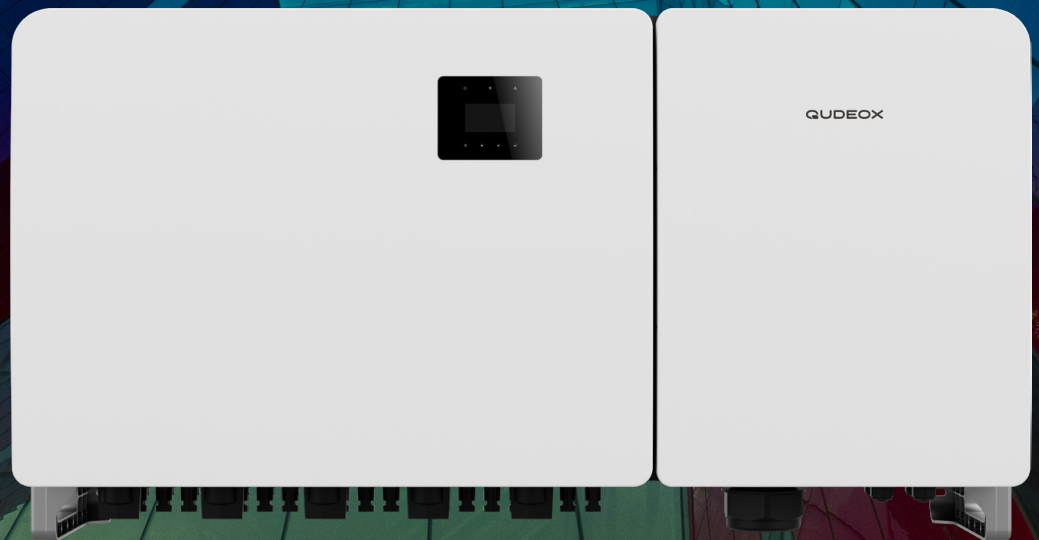
Pre-wired communication cables for plug and play

Parallel installation of up to 10 units

Technical Data	QG-T60K	QG-T70K
DC input		
Maximum input power	90kWp	105kWp
Maximum DC power of MPPT	18kWp/24kWp	
Number of MPPT	6	
Number of PV string	12	
Maximum input voltage	1100V	
Start-up voltage	200V	
Rated voltage	620V	
MPPT voltage range	180V~1000V	
MPPT full power voltage range	500V~850V	550V~850V
Maximum input current	6x32A	
Maximum short circuit current	6x45A	
AC output		
Rated output power	60kW	70kW
Maximum output power	66kVA	77kVA
Rated output current	90.9A	106.1A
Maximum output current	100A	116.7A
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	98.8%	99.0%
EU efficiency	98.4%	
MPPT efficiency	>99.9%	
Self-consumption 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	Yes	
PID protection	Yes	
Input/Output SPD	PV: type II, AC: type II	
General data		
Operating temperature	-30°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 + LED + APP	
Communication interface	RS485/USB, Optional: WiFi/GPRS/4G/PLC	
Ingress protection rating	IP65	
Protective class	Class I	
Warranty	10 years (extendable)	
Weight	52 kg	53 kg
Dimensions (WxDxH)	687x275x551 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	

QG-T80~125K Three-phase Ongrid Inverter

80kW / 100kW / 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

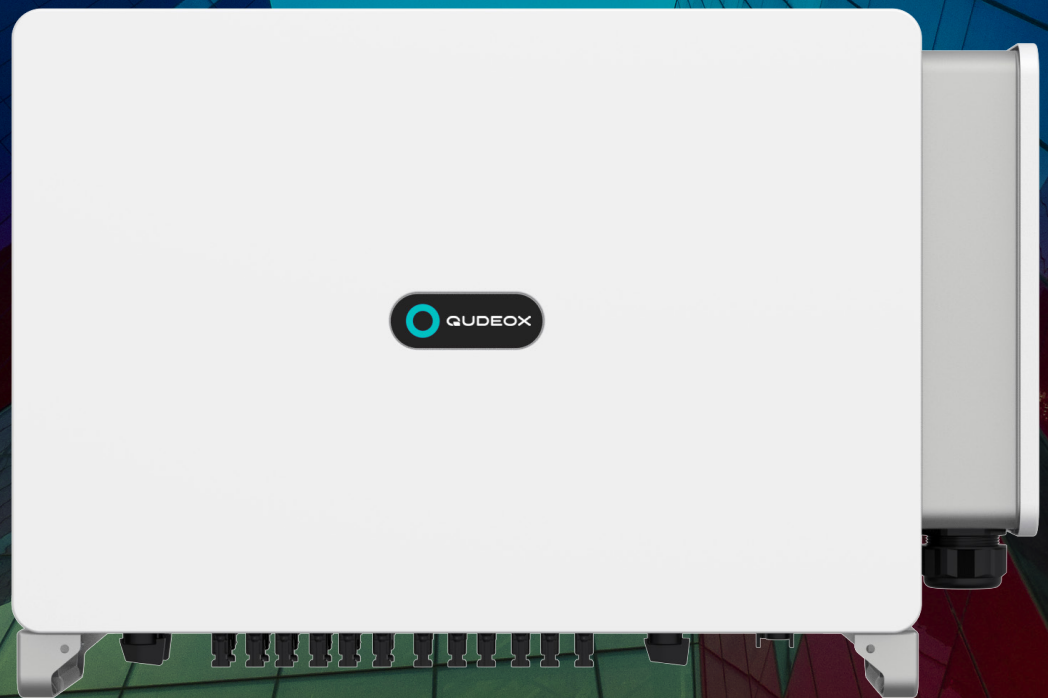
Pre-wired communication cables for plug and play

Parallel installation of up to 10 units

Technical Data	QG-T80K	QG-T100K	QG-T110K	QG-T125K
DC input				
Maximum input power	120kWp		150kWp	
Number of MPPT	9		10	
Number of PV string	16		20	
Maximum input voltage		1100V		
Start-up voltage		195V		
Rated voltage		600V		
MPPT voltage range		180V~1000V		
Maximum input current	9x32A		10x26A	
Maximum short circuit current	9x50A		10x40A	
AC output				
Rated output power	80kW	100kW	110kW	125kW
Maximum output power	88kW	110kW	121kW	137.5kW
Maximum apparent output power	88kVA	110kVA	121kVA	137.5kVA
Rated output current	121.6A	152A	167.1A	169.9A
Maximum output current	133.7A	167.1A	163.6A	169.9A
Rated grid voltage		3P/N/PE, 220/380V, 230/400V		
Nominal output frequency		50Hz/60Hz		
Output current THD		<3%		
Output power factor		1 (-0.8~+0.8 adjustable)		
Performance data				
Maximum efficiency		98.7%		99%
EU efficiency		98.3%		98.5%
MPPT efficiency		99.8%		
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, Optional: WiFi, GPRS, PLC		
DC connection		MC4 connector		
AC connection		T Terminal (maximum 185 mm)		
Ingress protection rating		IP66		
Protective class		Class I		
Topology		Transformerless		
Self-consumption at night		<2W (without anti-PID)		
Warranty		5 years (extendable to 20 years)		
Weight		84 kg		
Dimensions (WxDxH)		1099.5x344.5x567 mm (with AC switch)		
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		

QG-T100~110K Three-phase Ongrid Inverter

100kW / 110kW



Efficient and reliable

- Fanless design to prolong lifespan with full auto-protection
- 150% PV array oversizing, 110% AC output overloading, 16A input current per string to compatible with bifacial and large PV modules
- SiC power components to increase power generation



User friendly

- LED indicators for different status
- Independent AC terminal box design, save 30% installation time
- 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

Technical Data	QG-T100K	QG-T110K
Input data (DC)		
Maximum Input Power	150 kW	165 kW
Maximum DC Voltage		1100 V
Start-up Voltage		180 V
Nominal Voltage		600 V
MPPT Voltage Range		200-1000 V
No. of MPP Trackers		9
No. of PV Strings per MPP Tracker		2
Maximum Input Current per MPP Tracker		32 A
Maximum Input Short-circuit Current per MPPT		40 A
Output data (AC)		
Nominal Output Power	100 kW	110 kW
Maximum AC Apparent Power	110 kVA	121 kVA
Nominal AC Voltage		3L/N/PE, 220 V / 380 V, 230 V / 400 V
AC Grid Frequency		50/60 Hz
Frequency Range		(45-55)/(55-65) Hz
Maximum Output Current (PF=0.9)	166.7 A	175 A
Power Factor		> 0.99 (Rated)
Adjustable Power Factor Range		0.8 leading... 0.8 lagging
Maximum Total Harmonic Distortion		<3% (Rated Power)
Efficiency		
Maximum Efficiency		98.5%
European Efficiency		98.1%
MPPT Efficiency		99.9%
Protection		
Anti-flow Protection		Optional
DC Reverse Polarity Protection		Yes
DC Switch		Yes
DC Surge Protection		Type II
Insulation Resistance Monitoring		Yes
Residual-current Monitoring Unit (GFCI)		Yes
AC Short-circuit Protection		Yes
AC Surge Protection		Type II
Grid Monitoring		Yes
Anti-islanding Protection		Yes
String Fault Monitoring		Yes
AFCI Protection		Optional
General data		
Operating Temperature Range		-25°C~+60 °C (>45 °C derating)
Relative Humidity		0-100%
Altitude		4000 m (> 3000 m derating)
Self-consumption at night		<4 W
Topology		Transformerless
Cooling		Intelligent Air Cooling
Protection Rating		IP66
Guarantee Period		5 Years / 10 Years (Optional)
Display		LED
Communication interface		RS485/USB/Bluetooth, Optional: 4G/WiFi
Weight		88 kg
Dimensions (WxDxH)		1040x350x700 mm
Standards compliance		
Grid Connection	NB/T 32004, G98/G99, VDE 0126/4105/0124, EN 50549-1/2, CEI0-21/CEI0-16, AS 4777.2, IEC 61727/62116, PEA, MEA, RD1699/661/413/244/2019, UNE 206006/206007, NTS Type B, UNE 217002/217001	
Safety Standards	EN/IEC 62109-1/2	
Others	EN/IEC 61000-6-1/2/3/4, IEC 61683, IEC 60068(1,2,14,30)	

Chargecore COREmini Electric Vehicle Fast Charging Station

80kW



Efficient and reliable

ISO15118/DIN70121 charging protocol standards
Dynamic Load Balancing (DLB) function
Fixed and secure installation on a concrete foundation



User friendly

10.1-inch QT colour display
Control via web and mobile application
RFID control and POS machine payment (OPT)



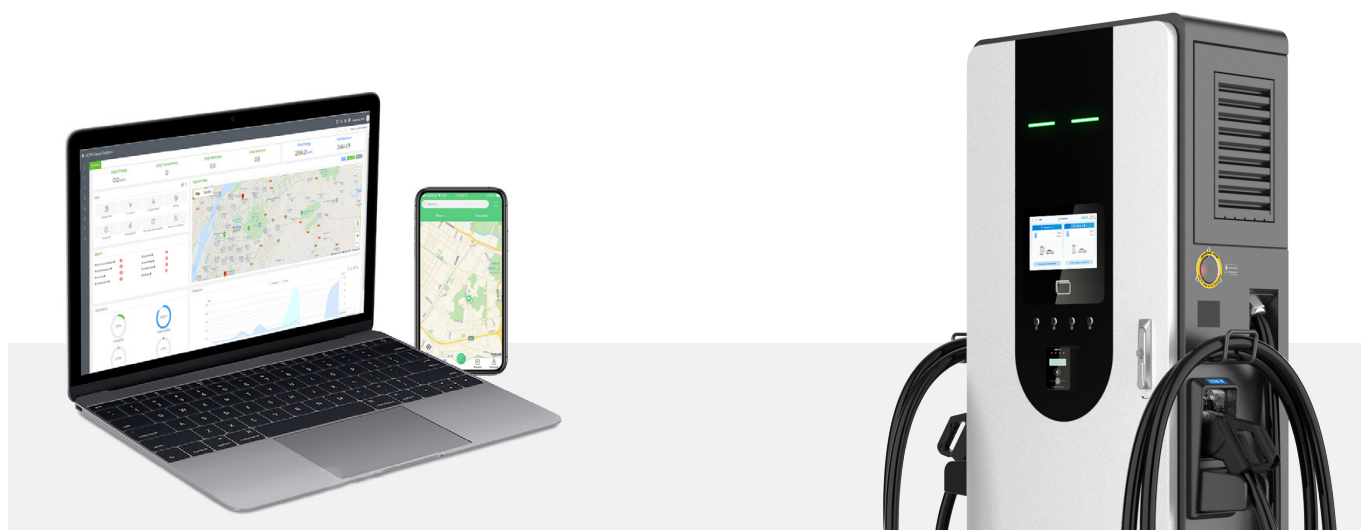
Economical and profitable

Wide variety of uses: companies, public institutions, shopping centers, public transportation, etc.
Energy independence and cost-effectiveness for business use

Technical Data

COREmini-C240C240

Power performance	
Input voltage	400VAC±10%, 50/60Hz, 3Phase+N+PE
Input rating	84kW
Input current	128A
Output voltage	150~1000VDC
Output rating	80kW
Output current	200A+200A
Stand-by power	<50W/Outlet
Charging outlets	DC: Double Outlets (CCS2+CCS2,CCS2+CHAdEMO) Bottom Inlet Wiring, Up Outlet Wiring DC: Single Outlets (CCS2) Bottom Inlet Wiring, Up Outlet Wiring
Efficiency	≥95.5%
Power factor	≥0.99
Protection	Over/Under Voltage Protection, Overload Protection, Short Circuit Protection, Current leakage Protection, Lightning Surge Protection, Over Temperature Protection, Communication Interference Interruption Protection and Reset, Dumping Protection, Soaking Protection, Smoke Alarm
Earth leakage protection	Type A 30mA
Special protection	Anti-UV Protection
Measuring accuracy	Class 1.0
User interface	
Connectivity	Ethernet, WIFI, 4G
User authentication	APP or RFID Card
User interface	10.1 Inch QT Screen / Emergency Stop Button / LED Indicator
Platform protocol	OCPP 1.6J and can be upgraded to OCPP 2.0
Software update	OCPP
General data	
IP&IK	IP55/IK10 (Screen IK08)
Maximum operating altitude	2000m
Operating temperature	-30°C~+50°C (derating above 50°C)
Operating relative humidity	5%~95% (no condensation)
Cooling	Forced-air cooling
Mounting	Floor stand
Cable length	≥5 m
Shell material	Sheet metal
Weight	≤200 kg
Dimensions (WxDxH)	720x400x1650 mm
Certifications and standards	
Charging standards	IEC61851-1, IEC61851-21-2, IEC61851-23, IEC61851-24
Communication protocol standards	ISO15118-1-2013, ISO15118-2-2014, ISO 15118-3:2015, DIN 70121-2014





Chint DDSU666

Single-phase DIN-Rail Smart Meter

High accuracy and low consumption
Bi-direction measurement
DIN-Rail installation

Nominal voltage (Un): 120V, 220V, 230V, 240V
Operating range: 0.7Un~1.2Un
Power consumption: ≤1W, 5VA
CT / DC current: 1.5(6)A / 5(80)A
Frequency: 50Hz / 60Hz
Communication interface: RS485
Communication protocol: Modbus, DL/T
LCD display: 24x14 mm
Weight: 200 g
Dimensions (WxDxH): 36x65x98 mm



Chint DTSU666

Three-phase DIN-Rail Smart Meter

High accuracy and low consumption
Bi-direction measurement
DIN-Rail installation

Nominal voltage (Un): 3x220/380V, 3x57.7/100V
Operating range: 0.7Un~1.2Un
Power consumption: ≤1W, 5VA
CT / DC current: 1.5(6)A / 5(80)A
Frequency: 50Hz / 60Hz
Communication interface: RS485
Communication protocol: Modbus, DL/T
LCD display: 48x16 mm
Weight: 400 g
Dimensions (WxDxH): 72x65x98 mm



Solarman LSW-5

Stick Logger

Independent module, protecting internal parts of inverter
Plug and play, no extra power supply is required
Waterproof design, resistant to bad weather

Communication: GPRS, WiFi, 4G, Ethernet and others
Data interface: RS485/RS232/TTL/USB and others
Antenna: Internal antenna
Working voltage: DC 5-12V
Working power: 1.5W
Dimensions (WxDxH): 46x30x118 mm



Qudeox Partner Program

Take advantage of the benefits of being our partner and official distributor

We are expanding our brand internationally and welcome distributors to join us on this exciting journey to help users around the world achieve energy independence and sustainability. Join Qudeox Partner Program, become an official distributor of our brand and take advantage of the benefits right from the start.

Exclusive distribution of a growing brand

- Exclusive distribution of Qudeox brand products by geographical area.
- Brand and products in growth phase, developed by an expert R&D team.
- Innovative products certified by TÜV.

Marketing support

- Product images and datasheets, both in high resolution for printing and optimized for digital use.
- Free product catalogues with distributor contact details.
- Participation in international trade fairs, with booth expenses covered.
- Paid advertisements in specialized magazines of the energy sector.

Financial backing

- Assistance with marketing and sales-related expenses.
- For industrial and commercial energy storage projects, we collaborate with third-party financiers to offer financing to end users purchasing our industrial and commercial ESS.

Training and technical assistance

- Partners have access to a range of resources for program implementation, from sales to installation and maintenance.
- Provision of professional technical support with prompt responses.





**POWERING A
SUSTAINABLE
WORLD**

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