

Energy Generation and Storage

2024
Catalogue
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QUDEOX

POWERING A SUSTAINABLE WORLD

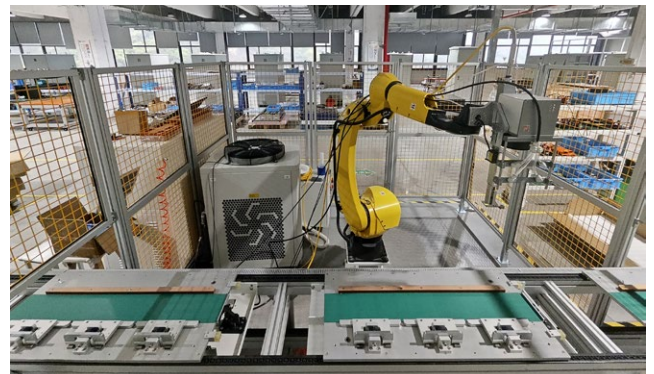


Qudeox is a pioneering technology brand, focused on providing smart, reliable and cost-effective renewable energy solutions and services. Our main products are solar inverters and energy storage systems for residential, commercial and industrial use.

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 future.

#Experience
#Innovation
#Service





INDEX

ENERGY STORAGE

4

- 4 **QH-S3~6K** Single-phase Hybrid Inverter
- 6 **QB-L5.12K** Wall Mounted LFP Battery System
- 8 **QH-T6~10K** Three-phase Hybrid Inverter
- 10 **QH-T12~20K** Three-phase Hybrid Inverter
- 12 **QH-T25~30K** Three-phase Hybrid Inverter
- 14 **QB-H2.5K** Stackable LFP Battery System
- 16 **QB-H5K** Stackable LFP Battery System
- 18 **QH-iHub-S/T** Prewired Cable Hub Box
- 20 **QC-215K-O** Outdoor Cabinet Energy Storage System

ONGRID INVERTERS

22

- 22 **QG-T30~50K** Three-phase Ongrid Inverter
- 24 **QG-T60~80K** Three-phase Ongrid Inverter
- 26 **QG-T110~125K** Three-phase Ongrid Inverter

ACCESSORIES

28

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

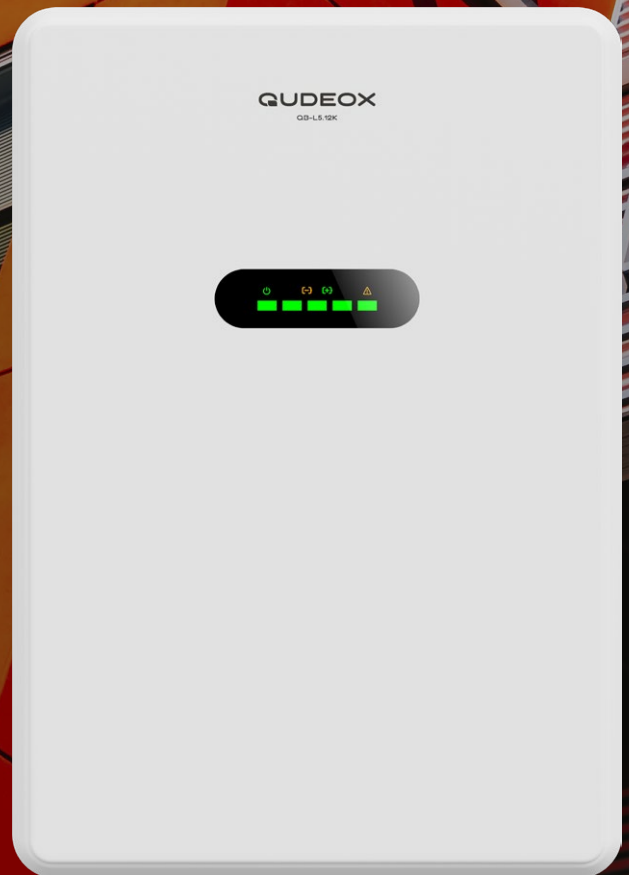
Pre-wired communication cables for plug and play

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	4kW		5kW
Maximum charge/discharge current	62.5A			100A	
Communication	CAN				
Output AC (Back-up)					
Rated output power	3kW	3.6kW	4kW	5kW	6kW
Maximum apparent output power	4.5kVA, 10 sec		7kVA, 10 sec		
Back-up switch time	<20 ms				
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	7.0" LCD color screen display				
Communication	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	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	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	CAN/RS485		
Output AC (Back-up)			
Rated output power	6kW	8kW	10kW
Maximum apparent output power	9.6kVA, 60 sec	12.8kVA, 60 sec	16kVA, 60 sec
Back-up switch time	<10 ms		
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	LED + Bluetooth + APP		
Communication	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	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

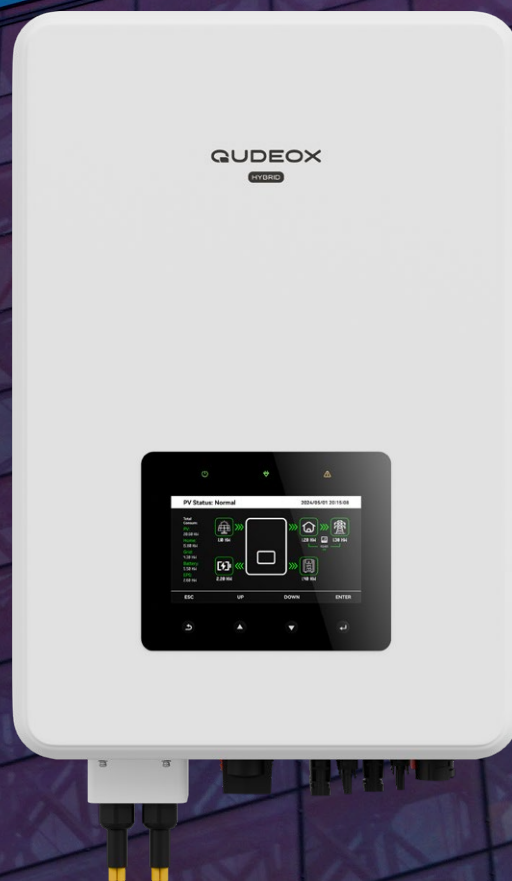
Pre-wired communication cables for plug and play

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, 10 S		
Back-up switch time	<10 ms		
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	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	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

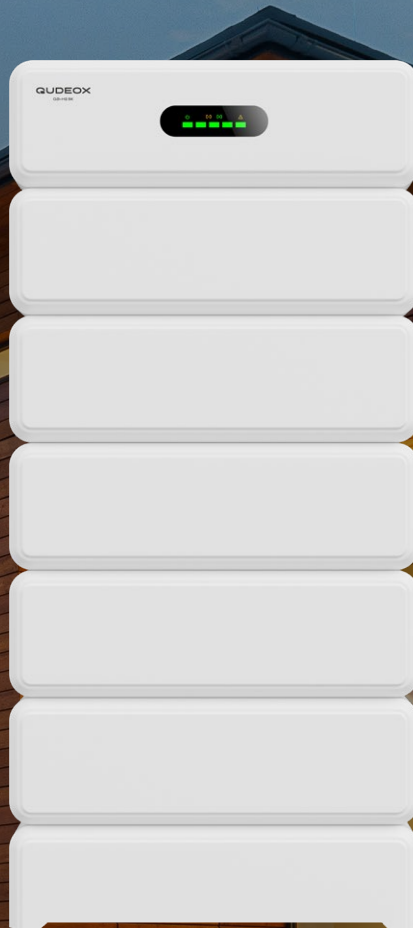
QH-T25K

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	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	

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



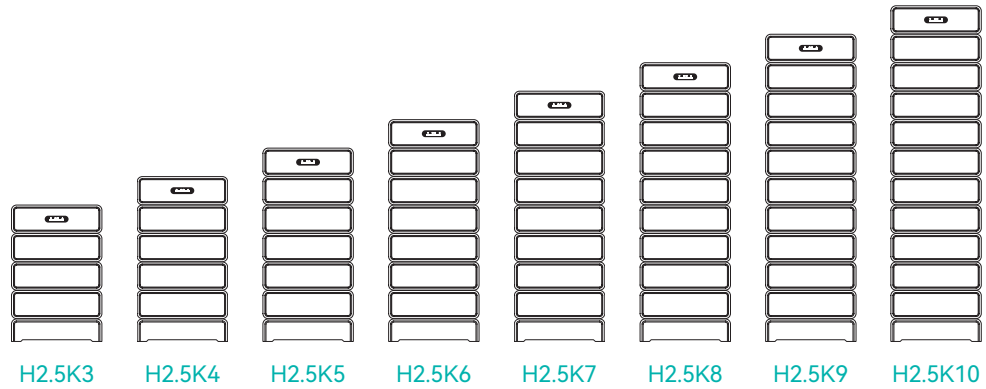
User friendly

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



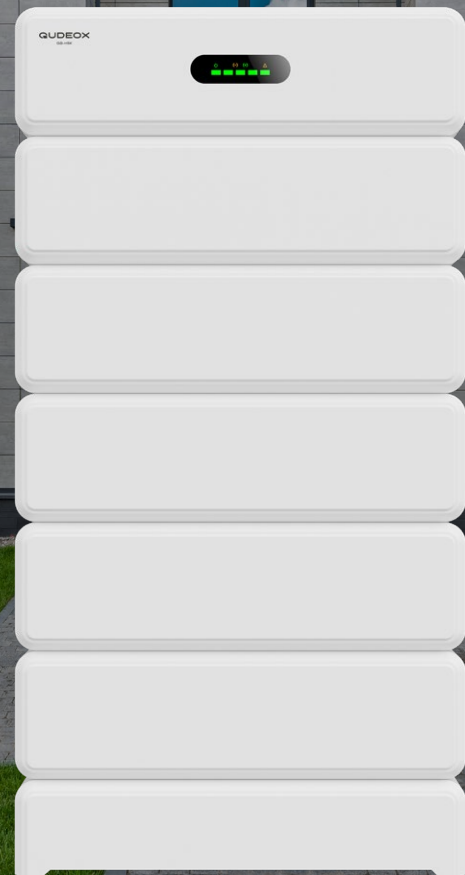
Technical Data

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							
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	CE, IEC62619, UN38.3							
Weight	110 kg	140 kg	170 kg	200 kg	230 kg	260 kg	290 kg	320 kg
Dimensions (WxDxH)	530x360x(705 / 860 / 1015 / 1170 / 1325 / 1480 / 1635 / 1790) 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



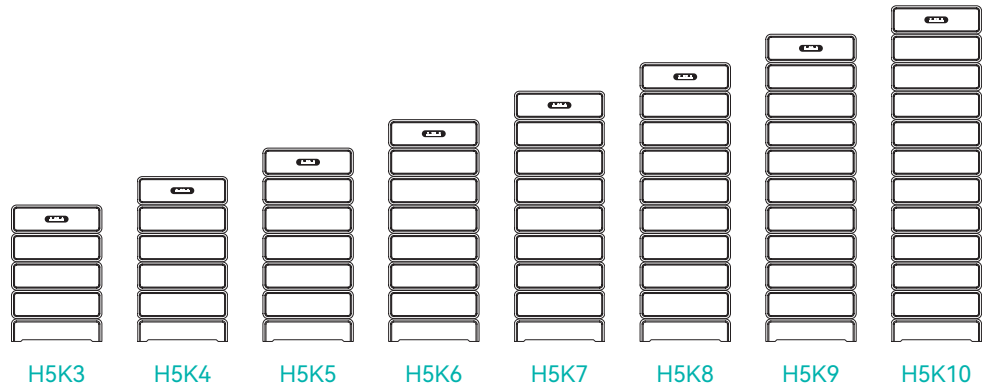
User friendly

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)	630x380x180 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)	630x380x(800 / 980 / 1160 / 1340 / 1520 / 1700 / 1880 / 2060) mm							



QH-iHub-S/T Prewired Cable Hub Box

Single-phase/Three-phase Energy Storage Systems

DT H60
DDINGT
PUTAC
YPETE
UEWEB
VITYGE
HPXM
ECKTIM
ADONL
ACTIVIT
TEXTN
BUTILF
GETJOB
MAY
METH
NLYTD
NPUTA
TYPET
ALUEW
TIVTY
DTH40
RCHEL
L DREA
PUTAC
TYPET
LUEWE
TIVTYG
DTH40P
RCHEL
DRE
DINPU
EDTT
IN3VA

RCHECKT MTHSACTIVITYFEL
RCHCKT MTHSACTIVITYFEL
YPETEXNAMEJOBEND3VALU
EWEBUTILFORMATTIMEACTIVI
40PXMAXLENGTH50NBLURLH
ECKT MTHSACTIVITYFELDRE
ADONLYTDTDWIDTH10NBSPT
D TDWIDTH95COLSPAN3GEFA
HRENEKMTD<TDCLASSRIGHTI
NPUTACTIVITYFELDDISABLED
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PXMAXLENGTH50NBLURNOT
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SRIGHTMTHSACTIVITYFEL
DTH40PXMAXLENGTH50NBLUR
LASSRIGHTFE
TIVTYFEL
EXTNAME
WEBUTILF



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 | Liquid Oil Immersion Cooling



Efficient and reliable

High safety LiFePO4 chemistry
 Liquid oil immersion cooling; unique system for ultimate safety
 IP67, IP54 and C4 anti-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; remote monitoring and updates



LFP (LiFePO4) battery ...

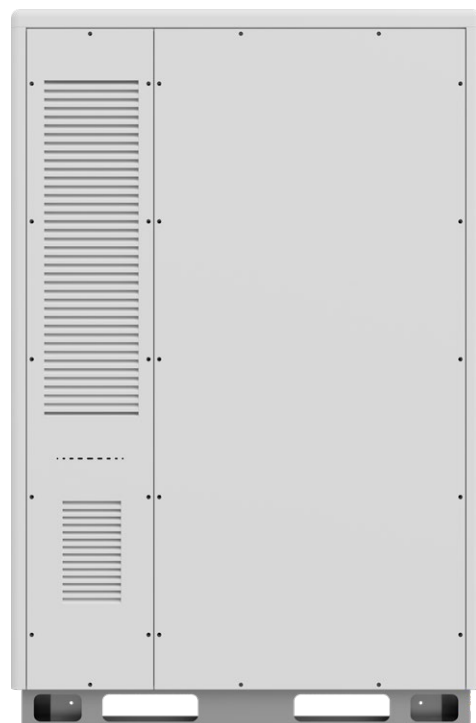
Economical and profitable

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

Technical Data

QC-215K-O

Battery	
Battery type	LFP / LiFePO4 (Lithium Iron Phosphate)
Cell capacity	3.2V / 280Ah
Battery cell configuration	1P240S
Battery pack capacity	43kWh
Total battery cluster charge	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 power	100kW
Maximum output current	150A
Rated output frequency	50Hz/60Hz
Grid voltage range	3L/N; 400V (-20%~15%)
On-grid and off-grid switching function	Yes
General data	
Ingress protection rating	IP67 (oil cooling battery pack), IP54 (others)
Anti-corrosion protection	C4 (optional upgrade to C5)
Communication interface	RS485, CAN
Communication protocol	Modbus-RTU, CAN
Battery cooling method	Liquid oil immersion cooling
PCS cooling method	Smart fan cooling
Fire fighting system	Aerosol
Operating temperature	-20°C~55°C
Operating relative humidity	0%~95% (no condensation)
Maximum operating altitude	2000 m
Weight	< 3000 kg
Dimensions (WxDxH)	1360x1320x2100 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



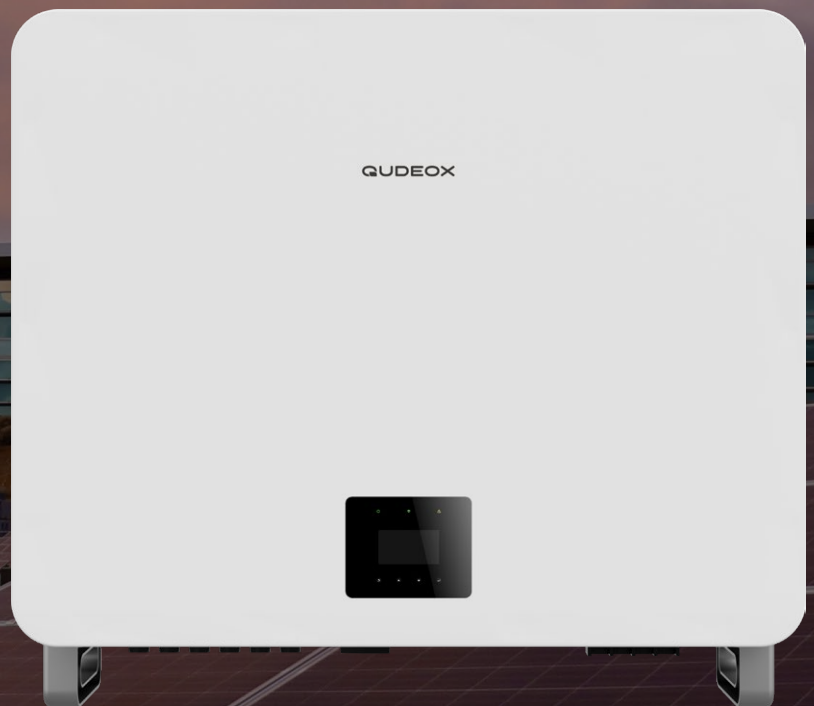
Easy to install

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 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					

QG-T60~80K Three-phase Ongrid Inverter

60kW / 70kW / 80kW



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



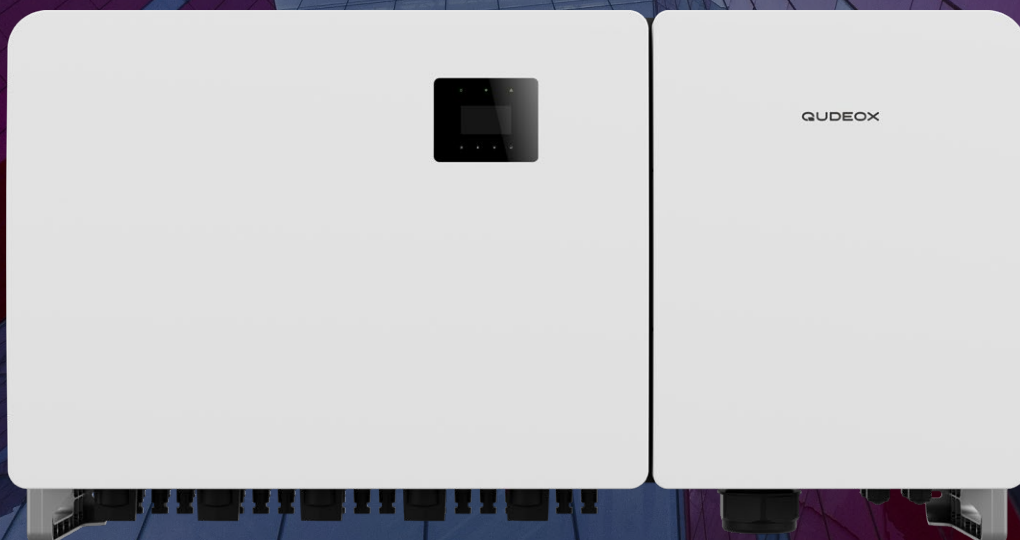
Easy to install

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

Technical Data	QG-T60K	QG-T70K	QG-T80K
DC input			
Maximum input power	90kWp	105kWp	120kWp
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	80kW
Maximum output power	66kVA	77kVA	88kVA
Rated output current	90.9A	106.1A	121.2A
Maximum output current	100A	116.7A	133.3A
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	98.8%	99.0%	
EU efficiency	98.4%		
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	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		
Warranty	10 years (extendable)		
Ingress protection rating	IP65		
Protective class	Class I		
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-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

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	



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.



The logo consists of a teal square on the left containing the word "QUDEOX" in white, uppercase, sans-serif font. To the right of the square, the tagline "POWERING A SUSTAINABLE WORLD" is written in a smaller, uppercase, sans-serif font, with "SUSTAINABLE" in teal and "POWERING A" and "WORLD" in black.

QUDEOX

**POWERING A
SUSTAINABLE
WORLD**

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