

Sales

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After-Sales

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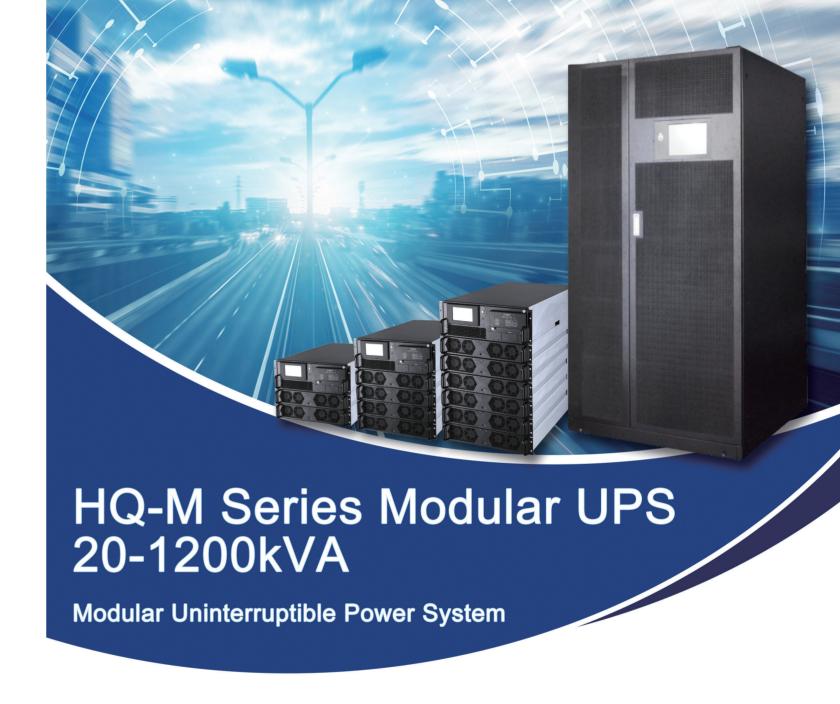




















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About Evada

Evada Profile

EVADA (Xiamen) Technology Co., Ltd., founded in 1998, with headquarter in Xiamen, currently has 31 sales and service branches nationwide and 2 branch offices in oversea. The group focuses on the field of power conversion products, energy storage system and data centers. The products cover modular UPS, high frequency UPS, low frequency transformer-based UPS, military-grade UPS, inverters, telecommunication power supplies, data center solutions and other customized products.

The products were widely used in telecommunication, railways, industry, broadcasting and television, medical, national defense, finance, government, education etc. In addition, EVADA has exported to Southeast Asia, Europe, Middle East, Africa etc.

EVADA will continue to implement the core values of self-confidence, efficiency, innovation and transcendence to achieve win-win with customers.

Globalization, localization













Evada Modular UPS Overview







Power range: 20-1200kVA

Rated voltage: 380VAC/400VAC/415VAC 3P+N+PE

Rated frequency: 50/60Hz

Product description: Double conversion, Modular design

Application field

- Small, medium and large data centers
- Finance and banking critical infrastructure
- Commercial buildings and industrial complexes
- Healthcare
- Telecommunications bases
- Process control equipment

Modular UPS Product Family

Modules (20~30kW/40~60kW)







Embeded System (2, 4, 6modules)



HQ-M50R/25KVA

HQ-M100R/25KVA





System Cabinet (4、7、12modules)















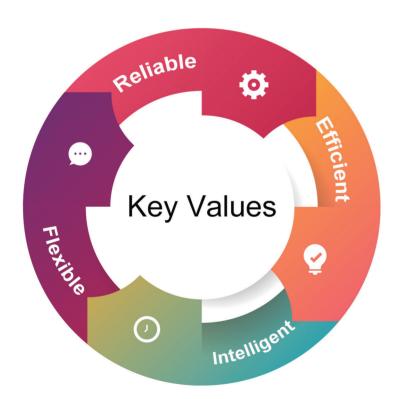
We develop and manufacture excellent modular products for users, creating the biggest values for customers.



HQ-M UPS provides multiple robust characteristics to minimize risks and make customers satisfied.

With system efficiency as high as 96.5%, HQ-M UPS brings customer low operation expense.





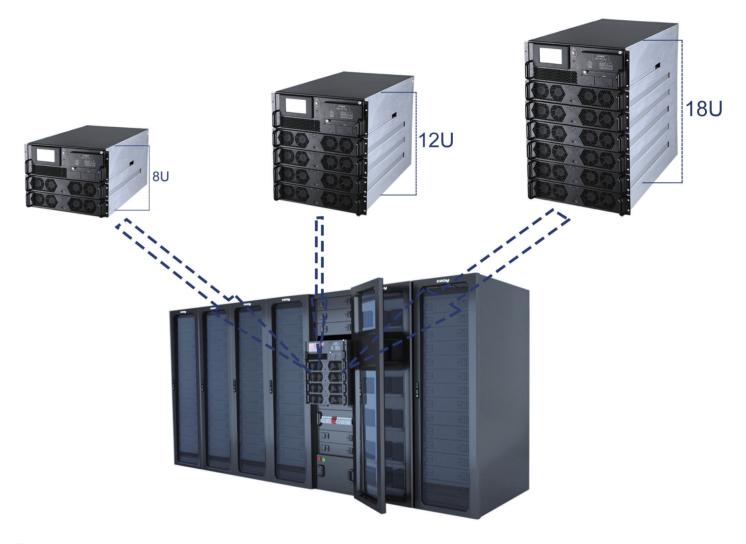


With the availability of 20/25/30/40/50/60 modules. Customers can make a flexible configuration with 20 to 1200KVA system capacity.

Equipped with smart human machine interfaces, HQ-M fits for all kinds of application requirements.



The Embedded Modular UPS



Features:

•Reliable: adopt 1 + 1 DSP design to improve system operation and response speed.

•Efficient: The system efficiency is as high as 96%; High power density ratio of 2U height for modules.

•Flexible: Allowing 2/4/6 modules*20/25KVA modules to achieve different capacity for the system.

•Simple: Embedded installation design for standard 19-inch cabinets; integrated with the power distribution modules, batteries, monitoring in one cabinet from 50KVA to 150KVA.

Value decomposition- Reliable

<< 6+1/10+2 Redundancy design

Power module N + X redundancy design, the system can provide up to 20% redundancy capacity under 100% load, reaching the highest level of rack Class B availability.

200kva = (10+2)*20kva modules.

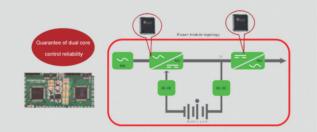
500kva = (10+2)*50kva modules.

300kva = (6+1)*50kva modules.



<< Dual DSP Design

The power module DSP adopts 1 + 1 design to improve the system operation and response speed and reduce the complexity of multi-module parallel control.



<< Redundancy design for Fans

The redundancy design of intelligent speed regulating fan will not affect the use of the whole module due to the abnormality of a single fan.



<< Redundant Monitoring

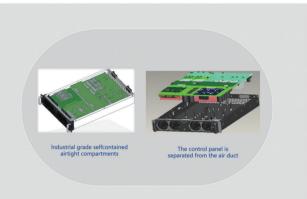
With LCD screen and LED indicator on each 50KVA power module, it allows independently monitoring module data and working status, to realize 1 + 1 redundant backup with the system display.



Value decomposition- Reliable

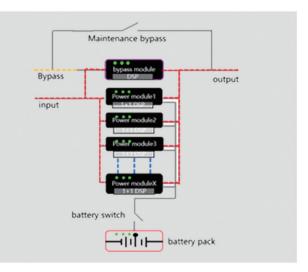
<< High environment adaptability

Power module with three defense design, high efficiency dust-proof, no fear of dust application environment for sensitive components, such as short-circuit, arcing and other fault risks.



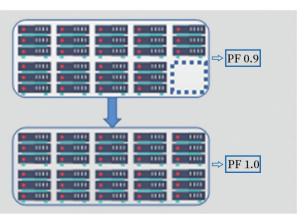
<< Decentralized control design

The system adopts decentralized control logic to avoid the risk of single point of failure caused by centralized control and load downtime. With this design, the power modules won't influence the other modules.



<< High load adaptability

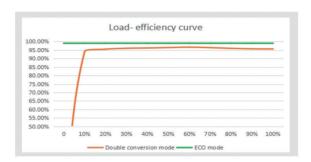
The output power factor is up to 1.0. The loading capacity is increased by more than 10% than traditional UPS to make system more safe and reliable.



Value decomposition- Efficient

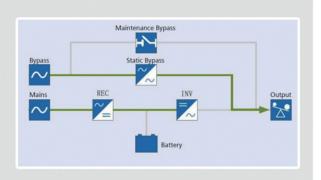
<< High efficiency at double conversion mode

The system efficiency is as high as 96.5%: the energy consumption and operation cost are saved by more than 15% each year. High efficiency significantly lowers operation costs and provides savings in cooling.



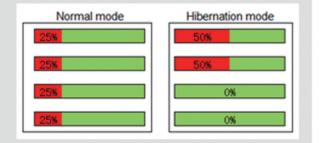
<< High efficiency at ECO mode

- Efficiency is more than 99% to maximize energy-saving.
- The load is powered by static bypass (the input range can be set) and the inverter is in "standby" state.
- If input is abnormal, the UPS will transfer to online mode in milliseconds to ensure power continuity and quality.



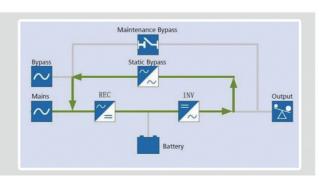
<< Intelligent hibernation function

The hibernation function can improve the efficiency of the system under light load and save energy. And no matter the system is in single mode or parallel mode, both modes are available.



<< Self-aging function

Intelligent and convenient self-aging function is to save energy by more than 95% (not necessary to rent fake load), saving operation and installation costs for users.



Value decomposition -Flexible

<< All hot swappable module design

- The system supports phased deployment and capacity expansion on demand to reduce the initial investment cost of customers.
- Both bypass module and power module support online hot plug, the operation is easy and safe, and the MTTR is less than 5minutes.



<< Multiple and flexible configurations

- Three switch built-in configuration solutions are selected on demand to save power distribution system and user investment.
- The top and bottom incoming cables are compatible, seamlessly adapt to the on-site distribution layout and save space.



<< Cold start function

When main power fail, the system supports direct battery startup to meet the requirements of multi scenario applications, easy for pre-check after installation.



<< Adjustable battery configurations

The ultra-wide battery regulation 30-44 units range helps to accurately match the battery capacity and flexibly utilize the old battery pack on site, saving customer investment.



Value decomposition - Intelligent

<< Touch screen for visual control

- 10 inch color touch screen: graphical display and abundant functions are available.
- Main page can directly show the current working status.

 All the running information of each part can be checked from display.



<< Intelligent battery management

■UPS can interacts with the lithium battery BMS system in real time to realize the intelligent management and linkage of the UPS to the battery and prevent the battery from getting out of control.



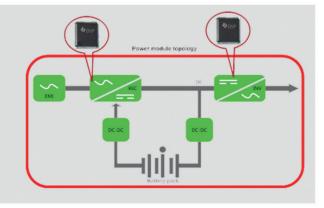
<< Abundant communication interfaces

Abundant communication interfaces and networking forms help to flexibly monitor the real-time operation status of UPS system:RS232/RS485/Dry contact/SNMP.



<< Complete Digital control

- Advanced dual DSP control technology, accurate and fast data processing, optimized circuit design, fast fault self-diagnosis and processing capabilities.
- Digital parallel current sharing technology: ensure the high power quality for IT equipment, and ensure the safe operation of user equipment.



HQ-M Composition



- 10 inch touch screen
- 2 Communication interface
- 3 Bypass module
- 4 Power module
- **5** Mechnical frame

- 6 Dust-proof net
- Mains switch
- 8 Bypass switch
- Maintenance bypass switch
- 10 Output switch

14 | HQ-MR Series Modular UPS 50-150KVA

HQ-M Accessories

<< Power module

- 2U height for 20/25/30KVA modules.
- 3U height for 40/50/60KVA modules.





60KVA

50KVA

<< Bypass module

The bypass module can provide continuous power supply for load in case the power modules are out of work. The bypass module features concentrated design, also provides abundant communication interfaces.



<< SNMP card (Optional)

The SNMP card supports remote monitor for the UPS, all running status and working parameters will be displayed on the monitoring page. With the SNMP card, the UPS can be remotely controlled by the operators.



<< LBS communication cable

The LBS communication cable is for load bus Synchronization control when the outputs of 2 UPS systems should be synchronous, which can ensure the outputs are with the same frequency and phase.



<< Parallel communication cable

The parallel communication cables are used for parallel connection system, which can ensure the parallel UPS sustain and share the load at the same time, and make sure the system runs in a logic way.



Performance

Performance									
Model	HQ-MR40/20	HQ-MR50/25	HQ-MR80/20	HQ-MR100/25	HQ-MR125/25	HQ-MR150/25			
Rated Capacity	40kVA	50kVA	80kVA	100kVA	125kVA	150kVA			
Power Module Capacity	20kVA	25kVA	20kVA	25kVA	25kVA	25kVA			
Power Module Quantity	2	2		4	5	6			
Input									
Viring Method	3 Phase+N+PE								
Rated Voltage			380/400/4	115VAC(line-line)					
Rated Frequency			5	0/60Hz					
/oltage Range	305VAC ~477VAC (line-line) full load; 304VAC ~228VAC (line-line) load derating linearly from 100% to 80%								
Frequency Range	40Hz~70Hz								
Power Factor	>0.99								
THDi		<3% ((linear full load); <	5% (non-linear full	load)				
Bypass	•								
Rated Voltage	380/400/415VAC(line voltage)								
Voltage Range	Factory setting -20% ~ +15%; settable, upper limit:+10%,+15%,+20%,+25%; lower limit:-10%,-15%, -20%, -30%,-40%								
Frequency Range	Rated frequency 50/60Hz; frequency range can be set ±1Hz, ±3Hz, ±5Hz								
Overload Capacity	110% for long run; >150% for 200ms								
Battery									
Battery Voltage	±192VDC (360~528VDC; 30~44 units settable, defaulted by 32 units)								
Output									
Rated Voltage			380V/400	V/415V(line-line)					
Rated Frequency			50	0/60Hz					
Power Factor	1								
/oltage Accuracy	≤±1.0%@ balanced load; ≤±5.0%@ unbalanced load								
Frequency Accuracy			50/60	Hz±0.01%					
requency Tracking Range			Settable, ±0.5	iHz∼±5Hz ;±3Hz					
ГНDu		≤2%(100% linear load),≤	4%(nonlinear load)					
Three-Phase Phase Accuracy			1:	20°±1°					
Crest Factor				3:1					
Overload	<105%, long run; <110%, 60mins; 110~125%, 10mins; >125~150%, 1mins; >150%, 200ms								
System									
System Efficiency	96%@ double conversion mode, ≥99%@ECO mode								
Display	5" LCD touch screen								
Viring	Support bottom in								
anguage	Chinese, English; optional: Russian, Italian, Spanish, German, etc.								
Protection Class	IP20								
Communication	RS232/RS485/SNMP card (optional) / dry contact (optional)								
Vorking Condition	Temperature: 0~40°C; humidity: 0~95%(no condensation)								
Voise	<60dB@1 meter								
Altitude	<1000 meters, derating, > 1000 meters, derating 1% if every 100 meters increased								
Cabinet Type	2 Mo	dules	4 Mc	odules	5 Modules	6 Modules			
Size									
System W x D x H (mm)	482.6 x 800 x 353.2(8U) 482.6 x 800 x 531(12U) 482.6 x 900 x 800(1					x 800(18U)			
Module W x D x H (mm)	440 x 690 x 86(2U)								
Weight									
System(kg)	60 65 80)				
Module(kg)				21.5					

^{*} Specifications are subject to change without prior notice.

Rated Capacity	Model	HQ-M60	HQ-M75	HQ-M100	HQ-M125	HQ-M150	HQ-M200	HQ-M300
Power Module Capacity								0.00
Power Module Quantity		60kVA	75kVA				200KVA	300KVA
Name					`		40.0	10
Maring Method 3 Phase+N-PE		3	+1	4	6-	+1	10+2	12
Rated Valtage 380400415VAC(line-line) S060Hz					2 Dhara Ni DE			
Rated Frequency S0/60Hz				000				
Voltage Range 304VAC ~ 478VAC (line-line) full load; 304VAC ~ 228VAC (line-line) Load derating linearly from 100% to 80% Frequency Range 40Hz-7/OHz Power Factor >0.989 THDI < 3% (linear full load); < 5% (non-linear full load)				380	· ·	e-line)		
Frequency Range			.=					
Power Factor		304VAC ~	4/8VAC (line-lin	e) full load; 304\		ne-line) Load dera	ting linearly from 1	00% to 80%
Section Sect	, , , ,							
Rated Voltage								
Rated Voltage Sa0u400415VAC(line voltage) Factory setting -20% ~ +15%; settable, upper limit + 10% +15% +20% +25%; lower limit -10% -15% +20% +20% +20% +20% +20% +20% +20% +20	THDi			<3% (linear full	oad) ; <5% (n	on-linear full load))	
Voltage Range Factory setting -20% -+15%; settable, upper limit+10%,+15%,+20%,+25%; lower limit-10%,-15%, -20%, -30%,-40% Frequency Range Rated frequency 50/60Hz; frequency range can be set ±1Hz, ±5Hz Overload Capacity 110% for long run; >150% for 200ms Battery Voltage ±192VDC (360 - 528VDC; 30 - 44 units settable, defaulted by 32 units) Output Rated Voltage ±192VDC (360 - 528VDC; 30 - 44 units settable, defaulted by 32 units) Output Rated Voltage Rated Voltage 380V/400V/415V(line-line) Rated Voltage 380V/400V/415V(line-line) Rated Prequency 50/60Hz Power Factor 1 Voltage Accuracy £±1.0%@ balanced load; ±£5.0%@ unbalanced load Frequency Tracking Range Settable, ±0.5Hz-±5Hz; factory setting ±3Hz THDu £20%(100% linear load); 4%(nonlinear load) Three-phase Phase Accuracy £20±1* Crest Factor 3:1 Overload < 105%, long run; < 110%, 60mins; 110 – 125%, 10mins; > 125 – 150%, 1mins; > 150%, 200ms System Efficiency £26%@ double conversion mode, ≥99%@ECO mode Display 7*touch screen + LED Wring \$200 – 11 = 125%	Bypass							
Frequency Range Rated frequency 50/80Hz; frequency range can be set ±1Hz, ±3Hz, ±5Hz Overload Capacity 110% for long run; >150% for 200ms Battery Battery Voltage ±192VDC (360 - 528VDC; 30 ~ 44 units settable, defaulted by 32 units) Output Battery Voltage \$380V400V/415V(line-line) Rated Voltage \$380V400V/415V(line-line) Rated Frequency \$50/60Hz Power Factor 1 Voltage Accuracy \$50/60Hz Frequency Accuracy \$50/60Hz 2,01% Frequency Tracking Range \$50/60Hz 2,01% Frequency Tracking Range \$50/60Hz 2,25Hz ±5Hz; factory setting ±3Hz THDU \$280(100% linear load), \$4% (nonlinear load) Three-phase Phase Accuracy \$120°±1° Crost Factor 3:1 Overload < 105%, long run; < 110%, 60mins; 110 ~ 125%, 10mins; > 125 ~ 150%, 1mins; > 150%, 200ms System Efficiency \$96%@ double conversion mode, ≥99%@ECO mode Display 7 touch screen + LED Wiring \$100 may 10	Rated Voltage			380/4	00/415VAC(line vo	oltage)		
Overload Capacity 110% for long run; >150% for 200ms Battery Battery Voltage ±192VDC (360~528VDC; 30~44 units settable, defaulted by 32 units) Output Assert Voltage Rated Voltage 380V/400V/415V(line-line) Rated Frequency 50/60Hz Power Factor 1 Voltage Accuracy 50/60Hz2-0.01% Frequency Accuracy 50/60Hz2-0.01% Frequency Tracking Range Settable, ±0.5Hz-±5Hz; factory setting ±3Hz THOU ≤2%(100% linear load), ≤4%(nonlinear load) Three-phase Phase Accuracy 120°±11° Crest Factor 3:1 Overload < 105%, long run; < 110%, 60mins; 110~125%, 10mins; > 125~150%, 1mins; > 150%, 200ms System System Bifloinery ≥96%@ double conversion mode, ≥99%@ECO mode Display 7" touch screen + LED Wiring Support top in and bottom in Standard IEC62040-1-1; IEC62040-2; IEC62040-3 Protection Class IP20 Feeder Protection RS232/ RS485/ Modbus/SNMP (optional) / 4ry contact (optional) Optional Dust-proof net, lightning protection module, LBS cable, earthquake-proof compo	Voltage Range	Factory setting	-20%~+15%; s	ettable, upper limit:	+10%,+15%,+20%	%,+25%; lower lin	nit:-10%,-15%, -20	%, -30%,-40%
Battery Voltage ±192VDC (360 ~ 528VDC; 30 ~ 44 units settable, defaulted by 32 units) Output Rated Voltage 380V/400V/415V(line-line) Rated Frequency 50(60Hz Power Factor 1 Voltage Accuracy 55(80Hz±0.01% Frequency Accuracy 50(80Hz±0.01% Frequency Tracking Range Settable, ±0.5Hz±15Hz; factory setting ±3Hz THDU \$28((100% linear load), 54%(nonlinear load) Three-phase Phase Accuracy 120*±1* Crest Factor 3:1 Crest Factor 3:1 Crest Factor 3:1	Frequency Range		Rated freq	uency 50/60Hz; fr	equency range ca	n be set ±1Hz, ±3	3Hz, ±5Hz	
### Description of the part o	Overload Capacity			110% for I	ong run; >150%	for 200ms		
Output Rated Voltage 380V/400V/415V(line-line) Rated Frequency 50/60Hz Power Factor 1 Voltage Accuracy ≤±1.0%@ balanced load; ≤±5.0%@ unbalanced load Frequency Accuracy 50/60Hz±0.01% Frequency Tracking Range Settable, ±0.5Hz~±5Hz; factory setting ±3Hz ThDu ≤2%(100% linear load), 4%(nonlinear load) Three-phase Phase Accuracy 120°±1° Crest Factor 3:1 Overload <105%, long run; <110%, 60mins; 110~125%, 10mins; > 125~150%, 1mins; > 150%, 200ms System System Efficiency ≥96%@ double conversion mode, ≥99%@ECO mode Display 7" touch screen + LED Wiring Support top in and bottom in Standard IEC62040-1-1; IEC62040-2; IEC62040-3 Protection Class IP20 Communication RS232/ RS485/ Modbus/SNMP (optional) / dry contact (optional) Optional Dust-proof net, lightning protection module, LBS cable, earthquake-proof components, temperature and humidity sensor Working Condition Temperature: 0 ~ 40°C; humidity: 0 ~ 95% no condensation) Noise 65dBg in meter Altit	Battery							
Rated Voltage 380V/400V/415V(line-line) Rated Frequency 50/60Hz Power Factor 1 Voltage Accuracy \$21.0%@ balanced load; \$£5.0%@ unbalanced load Frequency Accuracy \$0/60Hz±0.01% Frequency Tracking Range \$24(100% linear load), \$4% (nonlinear load) THDU \$2%(100% linear load), \$4% (nonlinear load) Three-phase Phase Accuracy 120°±1° Crest Factor 3:1 Overload <105%, long run; <110%, 60mins; 110 ~125%, 10mins; > 125 ~150%, 1mins; > 150%, 200ms System System Efficiency System Efficiency \$96%@ double conversion mode, \$299%@ECO mode Display 7" touch screen + LED Wiring \$upport top in and bottom in Standard IEC62040-11; IEC62040-2; IEC62040-3 Protection Class IP20 Feeder Protection \$tandard: Isolating switch, optional: fuse Communication R\$2322 R\$485! Modbus/SNMP (optional) / dry contact (optional) Optional Dust-proof net, lightning protection module, LBS cable, earthquake-proof components, temperature and humidity sensor Working Condition Temperature:	Battery Voltage		±192VDC (360 ~ 528VDC; 30	~ 44 units settab	le, defaulted by 3	2 units)	
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Voltage Accuracy ≤±1.0%@ balanced load; ≤±5.0%@ unbalanced load Frequency Accuracy 50/60Hz±0.01% Frequency Tracking Range Settable, ±0.5Hz~±5Hz; factory setting ±3Hz THDu ≤2%(100% linear load), ≤4%(nonlinear load) Three-phase Phase Accuracy 120°±1° Crest Factor 3:1 Overload <105%, long run; <110%, 60mins; 110~125%, 10mins; > 125~150%, 1mins; > 150%, 200ms System System Efficiency System Efficiency ≥96%@ double conversion mode, ≥99%@ECO mode Display 7" touch screen + LED Wiring Support top in and bottom in Standard IEC62040-1-1; IEC62040-2; IEC62040-3 Protection Class IP20 Feeder Protection Standard; isolating switch, optional; fuse Communication RS232/ RS485/ Modbus/SMMP (optional) / dry contact (optional) Optional Dust-proof net, lightning protection module, LBS cable, earthquake-proof components, temperature and humidity sensor Working Condition Temperature: 0~40°C; humidity: 0~95% (no condensation) Noise <85dB@1 meter	Rated Frequency				50/60Hz			
Frequency Accuracy Frequency Tracking Range Settable, ±0.5Hz~±5Hz; factory setting ±3Hz THDu \$2\%(100\%\) linear load), \$4\%(\) nonlinear load) Three-phase Phase Accuracy Crest Factor 3:1 Overload \$105\%, long run; <110\%, 60mins; 110~125\%, 10mins; >125~150\%, 1mins; >150\%, 200ms System System Efficiency \$2\\$6\%\@\ double conversion mode, \$2\\$9\\$\@ECO mode Display \$7" touch screen + LED Wring \$Support top in and bottom in Standard \$1EC62040-1-1; IEC62040-2; IEC62040-3 Protection Class Protection \$Standard: isolatory switch, optional: fuse Communication \$R\$232/ R\$485/ Modibus/SMMP (optional) / dry contact (optional) Optional \$Dust-proof net, lightning protection module, LBS cable, earthquake-proof components, temperature and humidity sensor Working Condition Temperature: 0~40\C; humidity: 0~95\% (no condensation) Noise \$65dB@1 meter Altitude \$1000 meters, no derating, > 1000 meters, derating 1\% if every 100 meters increased Cabinet Type \$4 Modules \$7 Modules \$12 Modules Size System Wx Dx H (mm) \$600 x 880 x 1200 \$600 x 850 x 1600 \$600 x 1010 x 2000 Module Wx Dx H (mm) \$440 x 690 x 86 (2U) Weight System(kg) \$136 \$193.5 \$239	Power Factor				1			
Frequency Tracking Range Settable, ±0.5Hz-±5Hz; factory setting ±3Hz THDu ≤2%(100% linear load), ≤4%(nonlinear load) Three-phase Phase Accuracy 120°±1° Crest Factor 3:1 Overload <105%, long run; <110%, 60mins; 110~125%, 10mins; >125~150%, 1mins; >150%, 200ms System System Efficiency ≥96%@ double conversion mode, ≥99%@ECO mode Display 7" touch screen + LED Wiring Support top in and bottom in Standard IEC62040-1-1; IEC62040-2; IEC62040-3 Protection Class IP20 Feeder Protection Standard: isolating switch, optional: fuse Communication RS232/ RS485/ Modibus/SNMP (optional) / dry contact (optional) Optional Dust-proof net, lightning protection module, LBS cable, earthquake-proof components, temperature and humidity sensor Working Condition Temperature: 0~40°C; humidity: 0~95% no condensation) Noise <65dB@1 meter	Voltage Accuracy			≤±1.0%@ balanc	ed load; ≤±5.0%(@ unbalanced load	d	
THDu \$2%(100% linear load). ≤4%(nonlinear load) Three-phase Phase Accuracy 120°±1° Crest Factor 3:1 Overload	Frequency Accuracy				50/60Hz±0.01%			
Three-phase Phase Accuracy Crest Factor 3:1 Overload <105%, long run; <110%, 60mins; 110 ~ 125%, 10mins; > 125 ~ 150%, 1mins; > 150%, 200ms System System Efficiency Support top in and bottom in Standard IEC62040-1-1; IEC62040-2; IEC62040-3 Protection Class IP20 Feeder Protection Standard: isolating switch, optional: fuse Communication RS232/ RS485/ Modbus/SNMP (optional) / dry contact (optional) Optional Dust-proof net, lightning protection module, LBS cable, earthquake-proof components, temperature and humidity sensor Working Condition Temperature: 0 ~ 40°C; humidity: 0 ~ 95% (no condensation) Noise <s532 (no="" (optional)="" 0="" 40°c;="" 95%="" <1000="" <s538@1="" altitude="" and="" cable,="" components,="" condensation)="" condition="" contact="" derating,="" dry="" dust-proof="" earthquake-proof="" humidity="" humidity:="" lbs="" lightning="" meter="" meters,="" modbus="" module,="" net,="" no="" noise="" protection="" rs485="" sensor="" snmp="" temperature="" temperature:="" working="" ~=""> 1000 meters, derating 1% if every 100 meters increased Cabinet Type 4 Modules 7 Modules 7 Modules 12 Modules Size System W x D x H (mm) 600 x 880 x 1200 600 x 850 x 1600 600 x 1010 x 2000 Module W x D x H (mm) 440 x 690 x 86 (2U) Weight System(kg) 136 193.5 239</s532>	Frequency Tracking Range			Settable, ±0.5Hz	z~±5Hz ; factory s	etting ±3Hz		
Crest Factor 3:1 Overload < 105%, long run; < 110%, 60mins; 110 ~ 125%, 10mins; > 125 ~ 150%, 1mins; > 150%, 200ms System System Efficiency ≥96%@ double conversion mode, ≥99%@ECO mode Display 7" touch screen + LED Wiring Support top in and bottom in Standard IEC62040-1-1; IEC62040-2; IEC62040-3 Protection Class IP20 Feeder Protection Standard: isolating switch, optional: fuse Communication RS232/ RS485/ Modbus/SNMP (optional) / dry contact (optional) Optional Dust-proof net, lightning protection module, LBS cable, earthquake-proof components, temperature and humidity sensor Working Condition Temperature: 0 ~ 40°C; humidity: 0 ~ 95% (no condensation) Noise <65dB@1 meter Altitude <1000 meters, no derating, > 1000 meters, derating 1% if every 100 meters increased Cabinet Type 4 Modules 7 Modules 12 Modules Size System W x D x H (mm) 600 x 880 x 1200 600 x 850 x 1600 600 x 1010 x 2000 Module W x D x H (mm) 440 x 690 x 86 (2U) Weight System(kg) 136 193.5	THDu			≤2%(100% lir	near load), ≤4%(n	onlinear load)		
Overload <105%, long run; <110%, 60mins; 110~125%, 10mins; >125~150%, 1mins; >150%, 200ms System System Efficiency ≥96%@ double conversion mode, ≥99%@ECO mode Display 7" touch screen + LED Wiring Support top in and bottom in Standard IEC62040-1-1; IEC62040-2; IEC62040-3 Protection Class IP20 Feeder Protection Standard: isolating switch, optional: fuse Communication RS232/ RS485/ Modbus/SNMP (optional) / dry contact (optional) Optional Dust-proof net, lightning protection module, LBS cable, earthquake-proof components, temperature and humidity sensor Working Condition Temperature: 0~40°C; humidity: 0~95% (no condensation) Noise <65dB@1 meter	Three-phase Phase Accuracy				120°±1°			
System System Efficiency ≥96%@ double conversion mode, ≥99%@ECO mode Display 7" touch screen + LED Wiring Support top in and bottom in Standard IEC62040-1-1; IEC62040-2; IEC62040-3 Protection Class IP20 Feeder Protection Standard: isolating switch, optional: fuse Communication RS232/ RS485/ Modbus/SNMP (optional) / dry contact (optional) Optional Dust-proof net, lightning protection module, LBS cable, earthquake-proof components, temperature and humidity sensor Working Condition Temperature: 0 ~ 40°C; humidity: 0 ~95% (no condensation) Noise <65dB@1 meter	Crest Factor				3:1			
System Efficiency ≥96%@ double conversion mode, ≥99%@ECO mode Display 7" touch screen + LED Wiring Support top in and bottom in Standard IEC62040-1-1; IEC62040-2; IEC62040-3 Protection Class IP20 Feeder Protection Standard: isolating switch, optional: fuse Communication RS232/ RS485/ Modbus/SNMP (optional) / dry contact (optional) Optional Dust-proof net, lightning protection module, LBS cable, earthquake-proof components, temperature and humidity sensor Working Condition Temperature: 0 ~ 40°C; humidity: 0 ~95%(no condensatire and humidity sensor) Noise 456dB@1 meter Altitude 41000 meters, no derating, > 1000 meters, derating 1% if every 100 meters increased Cabinet Type 4 Modules 7 Modules 12 Modules Size System W x D x H (mm) 600 x 880 x 1200 600 x 850 x 1600 600 x 1010 x 2000 Module W x D x H (mm) 440 x 690 x 86 (2U) Weight System(kg) 136 193.5 239	Overload							, 200ms
Display 7" touch screen + LED Wiring Support top in and bottom in Standard IEC62040-2; IEC62040-3 Protection Class IP20 Feeder Protection Standard: isolating switch, optional: fuse Communication RS232/ RS485/ Modbus/SNMP (optional) / dry contact (optional) Optional Dust-proof net, lightning protection module, LBS cable, earthquake-proof components, temperature and humidity sensor Working Condition Temperature: 0 ~ 40°C; humidity: 0 ~ 95% (no condensation) Noise < 65dB@1 meter Altitude < 1000 meters, no derating, > 1000 meters, derating 1% if every 100 meters increased Cabinet Type 4 Modules 7 Modules Size System W x D x H (mm) 600 x 880 x 1200 600 x 850x 1600 600 x 1010 x 2000 Module W x D x H (mm) 440 x 690 x 86 (2U) Weight System(kg) 136 193.5 239	System							
Wiring Support top in and bottom in Standard IEC62040-1-1; IEC62040-2; IEC62040-3 Protection Class IP20 Feeder Protection Standard: isolating switch, optional: fuse Communication RS232/ RS485/ Modbus/SNMP (optional) / dry contact (optional) Optional Dust-proof net, lightning protection module, LBS cable, earthquake-proof components, temperature and humidity sensor Working Condition Temperature: 0 ~ 40°C; humidity: 0 ~ 95% (no condensation) Noise <65dB@1 meter	System Efficiency	≥96%@ double conversion mode, ≥99%@ECO mode						
Standard IEC62040-1-1; IEC62040-2; IEC62040-3 Protection Class IP20 Feeder Protection Standard: isolating switch, optional: fuse Communication RS232/ RS485/ Modbus/SNMP (optional) / dry contact (optional) Optional Dust-proof net, lightning protection module, LBS cable, earthquake-proof components, temperature and humidity sensor Working Condition Temperature: 0~40°C; humidity: 0~95%(no condensation) Noise <65dB@1 meter Altitude <1000 meters, no derating, > 1000 meters, derating 1% if every 100 meters increased Cabinet Type 4 Modules 7 Modules 12 Modules Size System W x D x H (mm) 600 x 880 x 1200 600 x 850 x 1600 600 x 1010 x 2000 Module W x D x H (mm) 440 x 690 x 86 (2U) 440 x 690 x 86 (2U) Weight System(kg) 136 193.5 239	Display			7" t	ouch screen + LEI	D		
Protection Class IP20 Feeder Protection Standard: isolating switch, optional: fuse Communication RS232/ RS485/ Modbus/SNMP (optional) / dry contact (optional) Optional Dust-proof net, lightning protection module, LBS cable, earthquake-proof components, temperature and humidity sensor Working Condition Temperature: 0~40°C; humidity: 0~95%(no condensation) Noise <65dB@1 meter	Wiring			Suppo	rt top in and botto	m in		
Feeder Protection Standard: isolating switch, optional: fuse Communication RS232/ RS485/ Modbus/SNMP (optional) / dry contact (optional) Optional Dust-proof net, lightning protection module, LBS cable, earthquake-proof components, temperature and humidity sensor Working Condition Temperature: 0~40°C; humidity: 0~95%(no condensation) Noise <65dB@1 meter Altitude <1000 meters, no derating, > 1000 meters, derating 1% if every 100 meters increased Cabinet Type 4 Modules 7 Modules 12 Modules Size System W x D x H (mm) 600 x 880 x 1200 600 x 850x 1600 600 x 1010 x 2000 Module W x D x H (mm) 440 x 690 x 86 (2U) Weight System(kg) 136 193.5 239	Standard			IEC62040-1-	1; IEC62040-2; IE	C62040-3		
Communication RS232/ RS485/ Modbus/SNMP (optional) / dry contact (optional) Optional Dust-proof net, lightning protection module, LBS cable, earthquake-proof components, temperature and humidity sensor Working Condition Temperature: 0~40°C; humidity: 0~95%(no condensation) Noise 455dB@1 meter Altitude 41000 meters, no derating, > 1000 meters, derating 1% if every 100 meters increased Cabinet Type 4 Modules 7 Modules 12 Modules Size System W x D x H (mm) 600 x 880 x 1200 600 x 850x 1600 600 x 1010 x 2000 Module W x D x H (mm) 440 x 690 x 86 (2U) Weight System(kg) 136 193.5 239	Protection Class	IP20						
Optional Dust-proof net, lightning protection module, LBS cable, earthquake-proof components, temperature and humidity sensor Working Condition Temperature: 0 ~ 40°C; humidity: 0~95%(no condensation) Noise c65dB@1 meter Altitude c1000 meters, no derating, > 1000 meters, derating 1% if every 100 meters increased Cabinet Type 4 Modules 7 Modules 12 Modules Size System W x D x H (mm) 600 x 880 x 1200 600 x 850x 1600 600 x 1010 x 2000 Module W x D x H (mm) 440 x 690 x 86 (2U) Weight System(kg) 136 193.5 239	Feeder Protection	Standard: isolating switch, optional: fuse						
Working Condition Temperature: 0 ~ 40°C; humidity: 0~95%(no condensation) Noise <65dB@1 meter	Communication							
Noise <65dB@1 meter Altitude <1000 meters, no derating, >1000 meters, derating 1% if every 100 meters increased Cabinet Type 4 Modules 7 Modules 12 Modules Size System W x D x H (mm) 600 x 880 x 1200 600 x 850x 1600 600 x 1010 x 2000 Module W x D x H (mm) 440 x 690 x 86 (2U) Weight System(kg) 136 193.5 239	Optional							
Altitude <1000 meters, no derating, > 1000 meters, derating 1% if every 100 meters increased Cabinet Type 4 Modules 7 Modules 12 Modules Size System W x D x H (mm) 600 x 880 x 1200 600 x 850x 1600 600 x 1010 x 2000 Module W x D x H (mm) 440 x 690 x 86 (2U) Weight System(kg) 136 193.5 239	Working Condition							
Cabinet Type 4 Modules 7 Modules 12 Modules Size System W x D x H (mm) 600 x 880 x 1200 600 x 850x 1600 600 x 1010 x 2000 Module W x D x H (mm) 440 x 690 x 86 (2U) Weight System(kg) 136 193.5 239	Noise							
Size System W x D x H (mm) 600 x 880 x 1200 600 x 850x 1600 600 x 1010 x 2000 Module W x D x H (mm) 440 x 690 x 86 (2U) Weight System(kg) 136 193.5 239	Altitude							
Size System W x D x H (mm) 600 x 880 x 1200 600 x 850x 1600 600 x 1010 x 2000 Module W x D x H (mm) 440 x 690 x 86 (2U) Weight System(kg) 136 193.5 239	Cabinet Type						odules	
Module W x D x H (mm) 440 x 690 x 86 (2U) Weight System(kg) 136 193.5 239	Size							
Module W x D x H (mm) 440 x 690 x 86 (2U) Weight System(kg) 136 193.5 239	System W x D x H (mm)	600 x 880 x 1200 600 x 850x 1600 600 x 1010 x 2000						10 x 2000
Weight 136 193.5 239								
System(kg) 136 193.5 239	NAME OF THE OWNER.							
			136		19	3.5	2	39
Module(kg) 21.5	Module(kg)							

16 HQ-M Series Modular UPS 20-1200KVA

Model	HQ-M200/50	HQ-M300/50	HQ-M500/50	HQ-M600/60	HQ-M840/60	HQ-M1000/50	HQ-M1200/6		
Rated Capacity	200kVA	300kVA	500kVA	600kVA	840kVA	1000kVA	1200kVA		
Power Module Capacity		50kVA		601	«VΑ	50kVA	60kVA		
Power Module Quantity	4	6	1	0	14	20)		
Input									
Wiring Method				3 Phase+N+PE					
Rated Voltage			380	0/400/415VAC(line	e-line)				
Rated Frequency				50/60Hz					
Voltage Range	304VAC ~	478VAC (line-lin	e) full load; 304	VAC ~228VAC(lin	ne-line) load derat	ing linearly from 10	0% to 80%		
Frequency Range				40Hz~70Hz					
Power Factor				>0.99					
THDi			< 3% (linear full lo	oad) ; <5% (no	n-linear full load)				
Bypass									
Rated Voltage			380/4	00/415VAC(line v	oltage)				
Voltage Range	Factory setting	-20% ~ +15%; se	ettable, upper limit:	+10%,+15%,+20%	6; lower limit:-109	%, -20%, -30%,-40%	6		
Frequency Range			Settabl	e (±1Hz, ±3Hz,	±5Hz)				
Overload Capacity			110% for	long run, >150%	for 200ms				
Battery									
Battery Voltage		±192VDC (384~528VDC; 32~44 units settable, defaulted by 32 units)							
Output									
Rated Voltage			380	V/400V/415V(line-	line)				
Power Factor	0.9 (1 optional)								
Rated Frequency				50/60Hz					
Voltage Accuracy		≤±1.	.0%@ balanced lo	ad; ≤±5.0%@ un	balanced load				
Frequency Accuracy				50/60Hz±0.01%					
Frequency Tracking Range			Settable, ±0.5	Hz~±5Hz ; factory	setting±3Hz				
THDu		≤2	2%(100% linear loa	ad), ≤4%(nonlinea	ır load)				
Three-phase Phase Accuracy				120°±1°					
Crest Factor				3:1					
Overload	< 105%	, long run; < 11	0%, 60mins; 11	0 ~ 125%, 10min	s; > 125 ~ 150%	, 1mins; > 150%	6, 200ms		
System									
Efficiency		96.5%@ double conversion mode							
Display	10.4" touch screen +LED								
Wiring	Support top in and bottom in								
Standard	IEC62040-1-1; IEC62040-2; IEC62040-3								
Protection Class	IP20								
Optional	SNMP card、modbus card、parallel components, lightning protection components, dust-proof net, LBS, editable dry contact								
Working Condition	Temperature: 0~40°C; humidity: 0~95%(no condensation)								
Noise	< 70dB @ 1meter								
Altitude	<1000 meters, no derating, > 1000 meters, derating 1% if every 100 meters increased								
Cabinet Type	4+1 Modules	6+1 Modules	10+2 N	lodules	14 Modules	20 Mo	dules		
Size									
System W x D x H (mm)	600 x 850 x 2000 600 x 1100 x 2000 1000 x 1100 x 2000 1800 x 850 x 2000 2000 x 1100 x 2000								
Module W x D x H (mm)				440 x 720 x 130 (3	U)				
Weight									
System(kg)	190	250	500	530	980	1100	1180		
Module(kg)				33.5					

^{*} Specifications are subject to change without prior notice.

18 Cases

Laos Golden Triangle Special Economic Zone

20 units of HQ-M series UPS were used in this project to provide high-quality power supply for five buildings



Xinchuang Cloud Data Center

3 units of 500KVA HQ-M series UPS were used in this project





Tianfu Cloud Computing Center

Tianfu Cloud Computing Center is the biggest datacenter in Sichuang Province, Evada provides 20 units of HQ-M series 600KVA UPS in this project



Several sets of 500kVA HQ-M series UPS were used in this project





Fuzhou Metro

There are 9 lines with a total length of 338.12km in Fuzhou urban rail transit network planning. Evada HQ-M Series modular UPS provides reliable power supply guarantee for Fuzhou Metro Hub





More Cases:

Telecommunication Operator Data Center project in Russia

Affiliated Hospital of Tianjin Armed Police Medical College Data Center

Henan Xinyang Central Hospital

Science and Technology Building of Tsinghua University

ABA Electric Power Co., Ltd. -State Grid Sichuan Proiect

Yinchuan Telecommunication Control Room Project Qilu Petrochemical Headquarter Data Center Project

