

HQ11&HQ31 Series

Online Double Conversion

1kVA-30kVA, 1-10kVA: 1 Phase Input, 1 Phase Output/10-30kVA: 3 Phase Input, 1 Phase Output

Safe and Efficient

- Wide input voltage range
- User-friendly control design without strict control sequence
- Cold start function
- Input/output isolation design

Comprehensive Protection

- Unique heat dissipation technology with independent air duct
- Corrosion-resistant, insulated circuitry
- Modular cabinet with optional IP enhancements
- Resilient against high temperature, humidity, dust, corrosive agents, and vibrations

Intelligent Management

- N+X parallel technology
- Three-stage equalizing charging
- DSP control and power redundancy design
- Intuitive bilingual graphical interface

Applications: Medical equipment, data centers, precision instrument, banks, highway toll systems, automated production lines&control systems



Design With Wheels



Specification

Model	HQ30L	HQ50L	HQ60L	HQ1110L	HQ3110L	HQ3115L	HQ3120L	HQ3130L
Capacity	3kVA	5kVA	6kVA	10kVA	10kVA	15kVA	20kVA	30kVA
Input								
Voltage Range	1 Phase (L+N+PE) 220 ± 15%VAC				3 Phase+N+PE; 380 ± 15%			
Frequency Range	50 ± 5%Hz							
Output								
Voltage Accuracy	1 Phase 220VAC							
Frequency Range	50Hz ± 0.5% (Battery)							
Waveform	Pure sine wave							
THDu	<3% (100% Linear load)							
Parallel Current Imbalance	≤5%							
Power Factor	0.8							
Overload	105% ~ 125%, 10 min; 125% ~ 150%, 1 min; > 150%, switch to the bypass immediately							
Switching Time	0ms							
Efficiency	90%							
Battery								
Voltage	96/192VDC	192VDC						
Charging Current	5A				5A/10A			
System								
Display	LCD+LED							
Communication	RS232, optional: RS485, dry contact, SNMP							
Protection								
Alarm	Power outage, low battery voltage, output overload, UPS abnormality, etc.							
Overload	Support							
Overheat	Support							
Short Circuit	Support							
Overvoltage	Support							
Undervoltage	Support							
Environment								
Operating Temperature	0~40 C							
Humidity	<95% (Non-condensing)							
Nosie	<55dB @ 1 m							
Physical								
W×D×H(mm)	260×550×520			350×660×750			400×750×900	
Weight(kg)	35	48	52	101	128	142	210	230

* Specifications are subject to change without prior notice.



HQ33 Series

Online Double Conversion

10kVA-600kVA, 3 Phase Input, 3 Phase Output



Safe and Reliable

- N+1 redundant cooling system
- Built-in manual maintenance bypass switch
- Output isolation transformer
- Allowing for 3 phase 100% unbalanced load
- Isolated air duct design
- Employing phase-locked loop technology alongside electronic static bypass switch



Intelligent Management

- Automated self-testing
- Surge/overload/short circuit/overheat protection
- 7" Color touch screen display multiple languages
- Support RS232/RS485, SNMP optional
- Parameters and status display in real-time on the PC



Comprehensive Protection

- Overvoltage, undervoltage, low battery voltage warning
- High-speed DSP and programmable components
- Eddy current fan
- Battery units configurable
- 10-80kVA support cold start function

Applications: Medical equipment, computer equipment, data center, precision instrument, bank, highway toll systems, production lines&controlling system



Standard: 4 Breakers



Specification

Model	HQ3310L	HQ3320L	HQ3330L	HQ3340L	HQ3360L	HQ3380L	HQ33100L	HQ33120L	HQ33160L
Capacity	10kVA	20kVA	30kVA	40kVA	60kVA	80kVA	100kVA	120kVA	160kVA
Input									
Rated Voltage	380/400/415VAC, 3 Phase+N+PE								
Voltage Range	±25%								
Rated Frequency	50/60Hz (Auto-sensing)								
Frequency Range	40 ~ 70Hz								
Bypass									
Rated Voltage	380/400/415VAC								
Rated Frequency Range	±10% (±5% configurable)								
Rated Frequency	50/60Hz								
Inverter/Bypass Switch	0ms								
Output									
Power Factor	0.9								
Rated Voltage	380/400/415VAC, 3 Phase+N+PE								
Phase Voltage	220 (200 ~ 244V configurable)								
Crest Factor	3:1								
THDu	<2% @ 100% Linear load; <5% @ 100% non-linear load								
Voltage Accuracy	±1%								
Transient Response	±5% < 10ms								
Overload	125%, 10 min; 150%, 1 min								
Efficiency	≥93% @ 100% load								
Battery									
Voltage	360-408V (30-34 units configurable) no neutral wire								
System									
Communication	RS232, RS485, optional: dry contact, SNMP								
Operating Temperature	-10 ~ 40 °C								
Display	7" Touch screen								
Humidity	0 ~ 95% (Non-condensing)								
Altitude	<1000m no derate, >1000m, derating 1% 100m								
Noise	≤65dB @ 1m								
Physical									
WxDxH(mm)	500×600×1250			500×800×1600			700×800×1800		
Weight(kg)	187	230	260	365	425	485	620	655	720

* Specifications subject to change without notice.



Specification

Model	HQ33200L	HQ33250L	HQ33300L	HQ33400L	HQ33500L	HQ33600L
Capacity	200kVA	250kVA	300kVA	400kVA	500kVA	600kVA
Input						
Rated Voltage	380/400/415VAC, 3 Phase+N+PE					
Voltage Range	±25%					
Rated Frequency	50/60Hz (Auto-sensing)					
Frequency Range	40Hz ~ 70Hz					
Bypass						
Rated Voltage	380/400/415VAC					
Rated Frequency Range	±10% (±5% configurable)					
Rated Frequency	50/60Hz					
Inverter/Bypass Switch	0ms					
Output						
Power Factor	0.9					
Rated Voltage	380/400/415VAC, 3 Phase+N+PE					
Phase Voltage	220 (200 ~ 244V configurable)					
Crest Factor	3:1					
THDu	<2% @ 100% Linear load; <5% @ 100% non-linear load					
Voltage Accuracy	±1%					
Transient Response	±5% < 10ms					
Overload	125%, 10 min; 150%, 1 min					
Efficiency	≥93% @ 100% load					
Battery						
Voltage	360-408V (30-34 units configurable) no neutral wire				456-504V(38-42 units configurable) no neutral wire	
System						
Communication	RS232, RS485, optional: dry contact, SNMP				RS232, RS485, dry contact, optional: SNMP	
Operating Temperature	-10 ~ 40 °C					
Display	LCD+LED					
Humidity	0 ~ 95% (Non-condensing)					
Altitude	<1000m no derate, >1000m, derating 1% 100m					
Noise	≤65dB @ 1m					
Physical						
WxDxH(mm)	6P:1245×855×1900 12P:1770×855×1900	6P:1640×855×1900 12P:2265×855×1900	6P:2105 12P:2500	6P:2105 12P:2500	12P:2615×855×1900	2865×955×1900
Weight(kg)	6P:1075 12P:1685	6P:1630 12P:2290	6P:2105 12P:2500	6P:2105 12P:2500	12P:2850	3130

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