

HQ11&HQ31 Series

Online Double Conversion

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

Battery Management

- Chargers can be selected and configured as needed.

Intelligent Management

- Support MODBUS communication protocols.
- Support RS232, RS485(optional), SNMP(optional) and dry contact.

Comprehensive Protection

- Unique heat dissipation technology with independent air duct.
- Resilient against high temperature, humidity, dust, corrosive agents, and vibrations.

Interface & Interaction

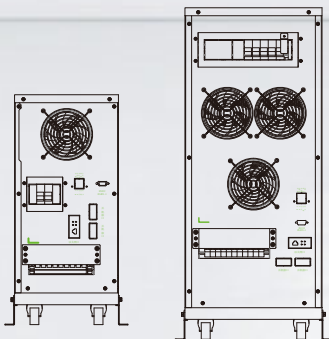
- LCD & LED display with rich and clear display content.

Stable & Reliable

- Support access to two independent utility power, adapt to dual power supply system.
- Support serial hot backup, parallel function. Resist to high impact.
- Equipped with DC cold start and auto-start function.

Can directly function with the mains, and can be used as a high-precision voltage stabilized power supply.

Applications: Computer centers, network centers, data centers, medical equipment, industrial control systems and other emergency equipment.



Designed With Wheels



Specification

Model	HQ30L	HQ60L	HQ1110L	HQ3110L	HQ3115L	HQ3120L	HQ3130L
Capacity	3kVA	6kVA	10kVA	10kVA	15kVA	20kVA	30kVA
Input							
Voltage Range	1 Phase (L+N+PE) 220 ± 15%VAC			Phase voltage (220±15%)Vac,line voltage (380±15%)Vac			
Frequency Range	50 ± 5%Hz						
Output							
Voltage Accuracy	1 Phase 220VAC						
Stabilization Accuracy	±1%						
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)	235*550*520		310*660*750			400*750*900	
Weight(kg)	35	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	6/12P:2265×855×1900	12P:2615×855×1900	2865×955×1900	
Weight(kg)	6P:1075 12P:1685	6P:1630 12P:2290	6P:2105 12P:2500	12P:2850	3130	

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