

HQ11/HQ31 Series

On line Low Frequency transformer-based UPS

- Imbedded with Isolation transformer
- Dual DSP digital control technology
- Fitting for high-temperature, dusty, salinity& Corrosive gas environment



1KVA - 30KVA



Power Range

1kVA-30kVA

Way Of Working

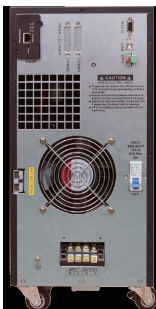
1-10Kva: Single phase in, Single phase out

10-30Kva: 3 phase in, Single phase out

Application

Medical equipment, data centers, precision instrument,banks, ETC, industrial production lines& controlling system

Design With Wheels



Performance Characteristics

Safety and Reliability

- MCU control to ensure higher reliability
- Wide Input Voltage and Frequency Range.
- Maintenance bypass switch
- Cold start function

Comprehensive Protection

- Independent air duct to split air flow
- Output Isolation transformer
- N+X parallel function
- Support dual input
- Fitting for high-temperature, dusty, salinity& Corrosive gas environment

Intelligent Management

- Advanced Battery Management system
- RS232/RS484 communication port, dry contact&SNMP optional
- Settable charge current according to battery capacity

Performance

Model	HQ30L	HQ50L	HQ60L	HQ1110L	HQ3110L	HQ3115L	HQ3120L	HQ3130L
Rated Capacity	3KVA	5KVA	6KVA	10KVA	10KVA	15KVA	20KVA	30KVA
Input								
Voltage Range	Single Phase (L+N+G) 165Vac~275Vac					Three Phase		
Frequency Range	50±5%Hz							
Frequency Tracking	≤1Hz/s							
Output								
Voltage Range	Single Phase 220Vac± 1%							
Frequency Range	50Hz±5% (Mains power) ； 50Hz±0.5% (Battery)							
Dynamic Response	±3% (100% Load change)							
THDu	≤3% (100%Linear load) ； ≤5% (100%Non-linear load)							
Crest Factor	3:1							
Parallel Load Current Imbalance	≤3%							
Power Factor	0.8							
Overload Capacity	110%~125% Last 10 Mins; < 150% Last 1 Min							
Switching Time	0ms							
Efficiency	≥90%@100% Load							
Battery								
Type	Sealed maintenance-free lead-acid battery							
DC Voltage	96Vdc/192Vdc	192VDC						
Charging Current	Optional according to needs							
Display								
LED Indicator	Mains lights, inverter lights, battery under voltage lights, bypass lights, overload lights, fault lights							
LCD Display	English display, input and output voltage and frequency, battery voltage, load percentage, UPS status, operating temperature, etc							
Other Functions								
Alarm Function	Mains power failure, low battery, output overload, UPS abnormality, etc.							
Protection Function	Overload: switch to bypass power supply, and automatically switch to inverter after reducing the load; overheat: switch to bypass power supply at >85℃； short circuit: automatically limit current and cut off the output							
Protection Function	Fault: switch to bypass power supply; overvoltage protection: UPS output overvoltage switch to bypass; under voltage protection: battery under voltage shutdown UPS output							
Environment								
Operating Temperature	0~40℃							
Nosie	<60dB@1 meter							
Communication								
Interface	RS232、RS485； Optional： dry contact,SNMP							
Physical								
WxDxH(mm))	260x550x520			350x660x750			400x750x900	
Weight	35	48	52	101	128	142	210	230

* Specifications are subject to change without prior notice.