

HQ Series Rack Online UPS
1-10kVA (220V/230V/240V)

HQ series, ranging from 1KVA to 10KVA, is double conversion online rack UPS with fully DSP controlled technology. The single phase of 6-10KVA UPS applies the advanced 3-level technology, achieving a efficiency up to 95%. With its compact design of high power density (kW=kVA) in 2U height, HQ series make it ideal choice for computers, telecommunication equipment and other sensitive devices.



Application

IDC(Internet Data Center),network,servers and workstations, control system, communication system, office, PC etc

Features

Common features for 1-10KVA

- Wide range of input voltage while input PF>99%
- 19" standard cabinet and battery cabinet
- Full protection of overvoltage, circuit short and over temperature
- LCD/LED display, monitoring all the operation status
- Automatic fan speed adjustment
- Abundant interface: RS232,USB, SNMP, Intelligent Card

Unique features for 6-10KVA

- High efficiency, up to 95%
- kVA=KW, output PF=1
- Intelligent charging management, effectively improving the life time of battery
- 3 level of technology, compatible with complicated load

Specification

MODEL	HQ-1KR-S	HQ-2KR-S	HQ-3KR-S	HQ-6KR-S	HQ-10KR-S
	HQ-1KR-L	HQ-2KR-L	HQ-3KR-L	HQ-6KR-L	HQ-10KR-L
Capacity	1kVA	2kVA	3kVA	6kVA	10kVA
Input voltage range	110VAC-288VAC				
	100% load@>176VAC; 80% load@>154VAC 70% load@>132VAC; 50% load@>110VAC			100% load@ > 176VAC; 90% load@ > 160VAC 80% load@ > 140VAC; 60% load@ > 110VAC	
Input frequency	40-70Hz				
Input PF	≥0.97			≥0.99	
Voltage regulation	±1 %				
Output frequency	50/60Hz				
Output PF	0.9			1.0	
Overload capability (Inverter mode)	105%-130%: to bypass 1 min; 150%: to bypass after 30 sec			110%:for 10 min ;125%:for 1min ; 150%:for 30 sec	
Overload capability (Battery mode)	105%-130%: shutdown after 10 sec; 150%: shutdown after 5 sec			110%: shut down after 1 min; 130%:shut down after 10 sec; >130%: shut down after 200 ms	
Crest factor	3:1				
Efficiency	87%	91%	90%	95%	
Display	LED+LCD				
Battery voltage	36VDC	72VDC	96VDC	192VDC	
Battery type/number	12V,7Ah*3	12V,7Ah*6	12V,7Ah*8	12V,7Ah*16	12V,9Ah*16
	External				
Interface	RS232,SNMP				
Optional	USB, SNMP, Dry contacts			USB, SNMP, ECO kit, Dry contacts, Battery cabinet	
Operation temperature	0-40°C				
Relative humidity	0-95%(non-condensing)				
W*D*H(mm)	440*430*86	440*480*173	440*480*173	440*660*173	
	440*430*86	440*480*86	440*480*86	440*550*86	
Weight(kg)	11.5	25	31	59	67
	7	8	9.5	17.5	20.5