



QUEEN STAR 10K-80KVA

High Frequency Online UPS Queen Star Series

10K-80KVA (3ph in / 3ph out)



Features:

- DSP Technology
- Environment Friendly
- Active input power factor correction(PFC)
- Wide range of input voltage and frequency
- Zero power switch delay
- Adaptive Load Management
- Sufficient Expansion Slots
- PF is 0.8, 0.9PF is optional
- Support the generator

Index	33Q 10KL	33Q 20KL	33Q 30KL	33Q 40KL	33Q 60KL	33Q 80KL	Comments
Input voltage							
Rated voltage	380V / 400V / 415Vac						
Phase	three phase with ground						
Turn on voltage range	380V: (207±9 ~ 475±9) VAC						
Bypass voltage range	380V: (105±9~ 518±9)VAC						Could be adjusted by software.
Input frequency							
Rated frequency	50Hz						60Hz can configure through LCD
Frequency low loss	(40~49) ±0.2Hz(default:46Hz)						Could be adjusted by software.
Frequency high loss	(51~60)±0.2Hz(default:54Hz)						
Input power factor							
Input power factor	> 0.99						full R load
Generator	Support generator input						Generator rating ≥ 2*UPS rating

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Technical Specification:

Index	33Q 10KL	33Q 20KL	33Q 30KL	33Q 40KL	33Q 60KL	33Q 80KL	Comments	
Input current								
Rated current	14A	28A	42A	67A	91A	121A		
Input THDI	≤ 10%							
Output protection								
Rating protection	32A Breaker	50A Breaker	60A Breaker	80A Breaker	100A Breaker	125A Breaker		
Output power								
VA/watt	10KVA/8KW	20KVA/16KW	30KVA/24KW	40KVA/32KW	60KVA/48KW	80KVA/64KW	0.9PF is optional	
Rated voltage	380Vac						Sine wave	
Voltage range	380V /400V /415Vac						Could be adjusted by software. 10% derating for 208VAC/200VAC/345VAC/359VAC.	
Voltage regulation	±1%							
Voltage distortion	≤5%		≤3%			≤10%	Full RCD load	
	Full R load							
DC offset	≤200mV							
Transient response	≤9%							R load 0%~100%~0%
	≤6%							R load 20%~100%~20%
Transient recovery	≤60ms voltage recovery to 90%						Full RCD load	
Bypass output before turn-on	YES							
Crest ration	3:1							
Output frequency range								
Normal mode	1. Same as input frequency(46Hz~54Hz) 2. 50Hz(Input frequency>54Hz or Input frequency<46Hz)							
Battery mode	(50±0.1) Hz							
Slew rate	1 Hz/Sec							
Efficiency								
Normal mode	> 93%			> 90%				
Battery mode	> 90%			> 90%				
Overload								
Normal mode/battery mode	Overload warning only						105%±5%?load	
	1min, then transfer to bypass and alarm.						105%±5%<load?125%±5%	
	30S, then transfer to bypass and alarm.						125%±5%<load?150%±5%	
	300mS, then transfer to bypass and alarm.						load>150%±5%	
Automatically retransfer	YES							
Short protection								
Normal/battery mode	YES							
Transfer time								
Normal to battery mode: 0mS Battery to normal mode: 0mS								
Battery and charger								
Battery								
Rated voltage	192VDC		±192VDC		±192V/±216V/±240Vdc			
Battery quantity	16PCS		32PCS		32/36/40PCS			
Charger								
Output voltage	(219.2±3)VDC	(277±3)VDC	(219.2±3)VDC	(277±3)VDC	(554±3)VDC			
Charge time	Depends on the external battery capacity							
Charge current	7.5A	6A	5A	4A	10A			
Communication								
RS232 interface: YES Intelligent slot: YES Monitor software: Appending with UPS								
Display								
LCD Screen + LED Indicators								
Environment								
Work temperature: 0°C~40°C	Altitude: <1000m	Audible noise: ≤60dB	Storage temperature: -15°C~45°C	Work humidity: 20%~95%				
Outline dimension and net weight								
L*W*H (mm)	710*260*717				700*300*960			
Net weight(Kg)	45	50	58	60	100.5	104		