

UPSEN
EXPERT POWER SUPPLIER

QUEEN STAR 1K-3KVA

High Frequency Online UPS Queen Star Series

Queen Star 1K-3Kva (1ph in/1ph out)



Features:

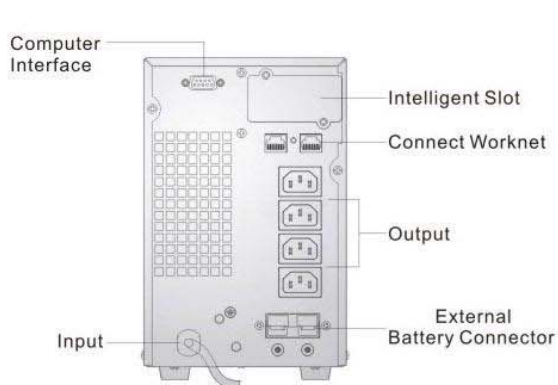
1. Large-screen LCD
2. DSP Technology: The advanced DSP digital control technology enable UPS more stable performance.
3. Active input power factor correction (PFC): Digitalized control of the PFC enable the UPS to keep input power factor above 0.99 to prevent possible electric grid pollution and meanwhile mostly save the cost. Widened range of input voltage and frequency: We intentionally widen the range of input factors to make sure the UPS can apply to various environment, which will effectively sustain the battery charging even in unstable power environment so that the service life of the UPS could be obviously prolonged.
4. Zero power switch delay: When the utility power fails, UPS will automatically switch from AC mode to battery mode with no delay, which will ensures stable power supply of operating system.
5. Adaptive Load Management: This technology allows the UPS to be set up at a fixed 50Hz or 60Hz output, while it also can intelligently monitors power usage and automatically sheds and reconnects loads in order to prevent generator overload.
6. Sufficient Expansion Slots: The pre-allocated smart slots enable flexibility in choice of USB cards, AS400 cards, CMC monitoring cards, SNMP cards, RS485 cards and EMD environment monitoring cards.
7. The load power factor is 0.8: it adapts the features of most current electric equipment and elevates the load-bearing capacity of the machines.
8. Support the Generators: The wide range of input voltage and frequency can effectively separate the harmful electric wave produces by the generators and provide safe and reliable power supply.
9. Environment Friendly: This UPS is eco-designed and manufactured to meet the China local pollution control requirement of Electronic Products, which means it will cause no harm to environment and human beings in normal usage.

Shenzhen UPS EN Electronic CO., Ltd.
www.upsen.net

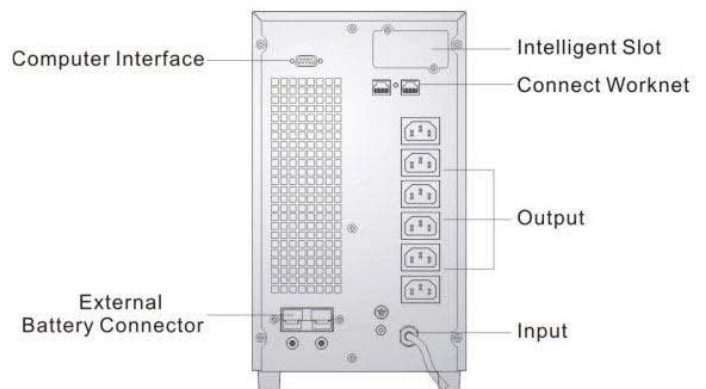
Technical Specification:

Model	Q1K Plus	Q1K	Q1KL	Q2K PLUS	Q2K	Q2KL	Q3K PLUS	Q3K	Q3KL
Rating	1KVA/800W			2KVA/1600W			3KVA/2400W		
Input									
Input system	Single phase & earth ground								
Voltage range	(90±5)VAC~ (290±5)VAC								
Power factor	≥0.99								
Voltage range of bypass	(80±5)VAC~ (286±5)VAC (default: 80VAC~264VAC Could be adjusted by software)								
Output									
Output system	Single phase & earth ground								
Rated voltage	220/230/240VAC								
Power factor	0.8 (Standard) / 0.9 (Optional)								
Voltage precision	±2%								
Output frequency	Normal mode	1. The output frequency synchronizes with the input frequency when the input frequency is in the range of 46 Hz~54 Hz 2. The output frequency is 50Hz when the input frequency is not in the range of 46 Hz~ 54 Hz							
	Battery mode	3. Can be set as 60Hz							
	Inverter overload capacity (Utility power, 25°C)	105%±5% < Load ≤ 125%±5% 50s transfer to bypass 125%±5% < Load ≤ 150%±5% 25s transfer to bypass Load > 150%±5% 300s transfer to bypass							
Transfer time	0ms (Normal mode ↔ Battery mode)								
Crest factor	3:1								
Battery									
Batteries voltage	24VDC	36VDC		48VDC	72VDC		96VDC		
Battery Quantity	2	3	none	4	6	none	6	8	none
Battery Type	Sealed maintenance-free lead –acid battery of battery voltage 12V/7AH								
Backup Time (25°C)	Full load: 5 - 10mins (Standard)								
Charge current	1A		6.5A	1A		5.5A	1A		5.5A
Physical									
Operating environment	Humidity: 20%-90%, Temperature: 0°C-40°C								
Size (WxDxH)mm	350 x 144 x 229			424 x 190 x 328			424 x 190 x 328		
Net Weight(kg)	9.5	11.5	5.7	18.2	22.2	10	22.3	26.3	10

Rear Panel



Queen Star 1K(L)



Queen Star 2K(L)/3K(L)