![UPSEN logo - EXPERT POWER SUPPLIER]

QUEEN STAR 1KVA-3KVA

High Frequency Online UPS Queen Star Series

Queen Star 1KVA - 3KVA (1ph in/ 1ph out)

Key Features:

- Large-screen LCD
- DSP Technology: The advanced DSP digital control technology enable UPS more stable performance.
- 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.
- 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.
- 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.
- 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.
- The load power factor is 0.9:it adapts the features of most current electric equipment and elevates the load-bearing capacity of the machines.
- 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.
- 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.

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Technical Specification:

Model	Q1K Plus	Q1KL	Q2K PLUS	Q2KL PLUS	Q3K PLUS	Q3KL PLUS
Rating	1KVA/900W		2KVA/1800W		3KVA/2700W	

Input

Input System	Single phase &earth ground
Voltage Range	(90±5)VAC~(300±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	0.9(Standard)
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
Output Frequency — Battery Mode	3.Can be set as 60Hz
Inverter Overload Capacity (Utility Power,25℃)	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)
Normal to battery mode	0ms
Battery to normal mode	0ms
Normal to bypass mode	＜4ms with load
Bypass to normal mode	＜4ms with load
Crest Factor	3 : 1

Battery

Batteries Voltage	24VDC	36VDC	36VDC	48VDC	48VDC	72VDC	72VDC	72VDC	96VDC
Battery Quantity	2	3	none	4	none	none	6	none	none
Battery Type	Sealed maintenance-freeload-acid battery of battery voltage 12V/7AH								
Backup Time(25℃)	Full load:5-10mins(Standard)								
Charge Current	1A		5.5A	1A	5.5A	5.5A	1A	5.5A	5.5A

Physical

Operating Environment	Humidity:20%-90%,Temperature:0°C-40C								
Machine Size(W*D*H)mm	144*280*230		144*280*230	144*400*230	144*400*230	144*400*230	190*425*328	144*400*230	144*400*230
Net Weight(KG)	8	10	4.5	14	5.4	5.4	19	5.6	5.6
Gross Weight(KG)	8.6	10.6	5.3	14.8	6.2	6.2	20	6.4	6.4
Package Size(W*D*H)mm	245*385*325	245*385*325	245*385*325	245*530*325	245*500*325	245*500*325	295*555*435	245*500*325	245*500*325

*Specification are Subject to Change Without Prior Notice