



QUEEN STAR 60K-200KVA

High Frequency Online UPS Queen Star Series

Queen Star 60KVA - 200KVA (3ph in/ 3ph out)

Key Features:



- Advanced DSP digital control to make the control system more stable and reliable.
- Double transform on-line design, adopting power factor correction (PFC) technology, input power factor is up to 0.9
- Output power factor is 0.9 (0.8 is available optional), with higher actual load capacity to save users' investment.
- Intelligent charging management, $\pm 16 - \pm 20$ pcs (32-40 pcs) batteries to select.
- Plentiful options, USB or RS485 communication interface, SNMP card (optional), parallel board (optional).
- ECO working mode, high efficiency and energy saving reduce users' cost.
- Parallel redundancy function, it enables to connect 4 units in parallel, and the battery pack can be shared in parallel.
- Four modes (three phase three-single phase, single-three phase, single phase)

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Technical Specification:

Model		33Q 60KL	33Q 80KL	33Q 100KL	33Q 120KL	33Q 160KL	33Q 200KL
Rated Power		60KVA/54KW	80KVA/72KW	100KVA/90KW	120KVA/108KW	160KVA/144KW	200KVA/180KW
Input	Phase	3 Phase 4Wires and Ground					
	Rated Voltage	380 / 400 / 415Vac					
	Voltage Range	208 – 478 Vac 3P4W+G					
	Frequency Range	45 – 55Hz (50Hz) / 54–66Hz (60Hz) (auto sensing)					
	Power Factor	≥ 0.99					
Output	Phase	3 Phase 4Wires and Ground					
	Rated Voltage	380 / 400 / 415Vac (1±1%) 3P4W+G					
	Power Factor	0.9	0.9(1.0 Optional)				
	Output Frequency	Synchronized With Input; Mains Frequency ≥ Maximum±10%; Output Frequency is 50(±0.2%); 50/60±0.2%(Battery)					
	THD	≤2% with Linear Load / ≤5% with Non Linear Load					
	Current Factor	3:1					
	Output Overload	Loads110%:60mins; Loads125%:10 mins; Loads150%:1 min; Load150%shutdown immediately					
Efficiency		Normal Mode ≥94.5%					
Battery	Rated Voltage	Default ±192VDC					
	Quantity	32 - 40					
	Charge Current(A)	20A Max.	24A (Adjustable)	36A (Adjustable)	54A (Adjustable)	54A (Adjustable)	
Conversion time between Mains Power and Battery		0ms					
Protection	ShortCircuit	Hold Whole System					
	Overheat	Line Mode: Switch to Bypass;			Backup Mode: Shutdown UPS immediately		
	BatteryLow	Alarmand Switch off					
	Self-diagnostics	up on Power On and Software Control					
	EPO	Shutdown UPS immediately					
	Battery	Advanced Battery Management					
NoiseSuppression		Complies with EN62040-2					
Alarms	Audible & Visual	Line Failure, Battery Low, Overload, System Fault					
CommunicationInterface		RS485, RS232 , EPO(Standard) ; Intelligent slot and SNMP Card(Optional), Relay card(Optional)					
Operating Environment	Operating Temperature	0℃ ~ 40℃					
	Storage Temperature	-25℃ ~ 55℃					
	Audible Noise	≤ 60 dB					
	Altitude	<1500m. When>1500m, lower the rated power for use					
	Humidity	0 – 95% non condensing					
Dimension	Machine Size - W*D*H(mm)	300*865*960		430*1000*1200		600*1000*1200	
	Net Weight(KG)	85.5		169		249	
	Gross Weight(KG)	101		189		269	
Safety Conformance		CE, EN / IEC62040-2, EN / IEC62040-1-1					

*Specification are subject to change without prior notice