

UPSEN
EXPERT POWER SUPPLIER

QUEEN STAR PLUS 6K-20KVA

High Frequency Online UPS Queen Star Plus Series

Queen Star Plus 6K-20KVA (1ph in / 1ph out, 3ph in / 1ph out)



Features:

- Latest Three Level Inverter tech
- True online double conversion technology, Pure Sine Wave Output
- 0.8 Output Power Factor, 0.9 PF is optional
- Digital LCD Screen, Zero transfer time
- DSP Technology, compact design
- Active input power factor correction (PFC)
- Protection against all types of power problems
- Wide range of input voltage and frequency
- Active Load Management, cold start function
- Sufficient Expansion Slots for USB, AS400, CMC monitoring, SNMP, RS485 and EMD environment monitoring
- Equipped with maintenance bypass switch
- Generator Supportable
- Sealed lead acid, maintenance free battery
- N+X Parallel Redundancy and Capacity expansion for 6-20K (up to three units)

Shenzhen UPS EN Electronic CO., Ltd.

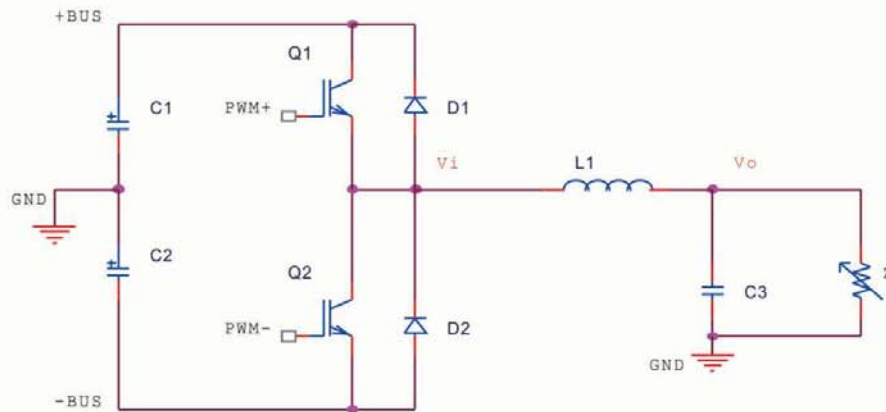
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Product Advantages

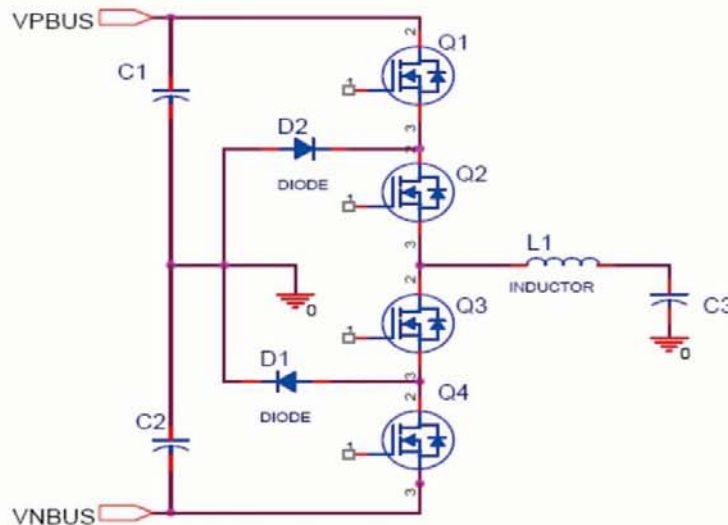
- Latest three-level inverter control tech makes UPS whole efficiency >94% which is higher than current mainstream half bridge inverter control efficiency, and greatly improved UPS load capacity to support Air Conditioners, Laser Printers and other sensitive loads.
- The latest soft switch technology is adopted in PFC boosting process, which reduces the PFC IGBT's peak voltage and switching loss, improves the UPS voltage endurance capability to withstand lightning stroke and other instantaneous high voltage, and effectively improves the efficiency of the whole machine.
- Frequency doubling controlled PFC Circuit, which can reduce the volume of magnetic components and improve the efficiency of the whole machine.
- PFC and Inverter adopt hardware current limiting design, which effectively accelerate the response time of current limiting and improve the reliability of ups.
- More optimized structure layout makes the UPS size smaller.
- Cheaper Price

What's three level inverter tech?

Traditional two - level half - bridge inverter



Latest three - level inverter



Technical Specification:

Model		Q6K Plus	Q6KL Plus	Q10K Plus	Q10KL Plus	31Q10KL Plus	31Q15KL Plus	31Q20KL Plus
Capacity		6KVA/4800W		10KVA/8000W			15KVA/12KW	20KVA/16KW
Input	Nominal Voltage	220/230/240Vac				380/400/415Vac		
	Voltage Range	176~276Vac (1P2W+G)				304~478Vac (3P4W+G)		
	Current	31A (max)		50A (max)	50A (max)	75A (max)	100A (max)	
	Frequency	46~54Hz/56~64Hz						
	Power Factor	≥0.99						
Output	Voltage	220/230/240± 2%Vac (1P2W+G)						
	Frequency	50/60Hz(adjustable) 50/60Hz± 5% (Line mode) 50/60Hz ± 0.05Hz (Battery mode)						
	Current	27.3A		45A		68A	91A	
	Power Factor	0.8lag						
	Waveform	Pure Sine Wave						
	Waveform Distortion	Line load < 2%				Line load < 3%		
Back-up Time	Full Load	≥7'	Depends on external batteries bank's Capacity	≥5'	Depends on external batteries bank's Capacity			
	Half Load	≥20'		≥13'				
Battery Nominal Voltage		192/240Vdc						
Transfer Time		0ms						
Overload Capacity		> 105% 1min, > 120% 30s transfer to bypass, shut down in 1min						
Communication		SNMP,RS-232,USB+Intelligent Slot						
Operating Environment	Temperature	0C~40℃						
	Humidity	15%~90%						
Dimension	Width (mm)	260	260	260	260	260		
	Depth (mm)	560	533	560	533	560		
	Height (mm)	717	501	717	501	717		
Net Weight(Kg)		68	18	70	20	28	30	30

*Specification is subject to change without prior notice.