



Q-on

QSK-SU10KL

6~10kVA

1:1 Phase PF:0.9

Features

- Online double conversion
- No Output transfer time
- PFC technology
- Full digital control (DSP)
- Output power factor: 0.9
- Input current harmonic: 3%
- ECO function
- Charging/Rectifier/Inverter fully digital control technology
- Optimization battery group, the quantity of battery: 16/18/20 pieces (optional)
- Wide Input voltage range: 120~276Vac
- Wide input frequency range: 45~55Hz/54~66Hz±0.5Hz
- Self-testing when UPS startup
- Input over/under-voltage protection
- Automatic Bypass & Manual bypass switch
- DC start
- Communication port: RS232, USB
- Options: SNMP card / Relay card



The LCD panel can be rotated



Battery Cabinets
(Optional)



Control Panel



Technical Specifications:

MODEL		QSK-SU6/10KL	
Capacity (VA/Watts)		6k / 5.4k	10k / 9k
INPUT			
Nominal voltage		220/230/240Vac	
Operating voltage range		120~276Vac	
Operating frequency range		50Hz:45~55Hz;60Hz:54~66Hz(Auto sensing)	
Power factor		≥0.99	
Bypass voltage range		Max.voltage: 220V: +25%(optional +10%,+15%,+20%) 230V: +20% (optional +10%,+15%) 240V: +15% (optional +10%) Min.voltage: -45% (optional -20%,-30%)	
ECO range		Same as the bypass	
Harmonic distortion (THDi)		<3%(100% linear load)	
Generator input		Support	
OUTPUT			
Rated voltage		220/230/240Vac	
Power factor		0.9	
Voltage regulation		± 1%	
Frequency	Line mode	± 1%/ ± 2%/ ± 4%/ ± 5%/ ± 10% of the rated frequency(optional)	
	Bat. mode	50/60(± 0.1)Hz	
Crest factor		3:1	
Harmonic distortion (THDv)		≤2% with linear load ≤5% with non-linear load	
Efficiency		>93.5%	
BATTERY			
Battery voltage		± 96/108/120Vdc (optional)	
Capacity (Standard unit)		12V/7Ah/9Ah	
Typical recharging time		6~8 hours (to 90% of full capacity)	
Charging current		1A(Standard unit); Long run unit Max.current10A(charging current can be set according to battery capacity installed)	
SYSTEM FEATURES			
Transfer time		Mains to battery:0ms; Mains to bypass:0ms	
Overload	Line mode	Load≤ 110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, >150% turn to bypass mode immediately	
	Bypass mode	40A(Breaker)	63A(Breaker)
Short circuit		Hold whole system	
Overheat		Line mode:Turn to bypass; Backup mode: shut down UPS immediately	
Battery low		Alarm and switch off	
Self-diagnostics		Upon power on and software control	
Battery		Advanced battery management	
Audible & Visual alarms		Line failure, Battery under voltage, Overload, System fault	
LED & LCD display		Line mode, Bat. mode, Eco mode, Bypass mode, Battery under voltage, Overload & UPS Fault	
LCD display		Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time	
Communication interface		RS232,USB,SNMP card(optional), Parallel card(optional), Relay card (optional)	
ENVIRONMENT			
Operating temperature		0 ~ 40℃	
Storage temperature		-25 ~ 55℃	
Humidity range		0 ~ 95% (Non-condensing)	
Altitude		<1500m	
Noise level		<55dB	
PHYSICAL			
Dimension D×W×H (mm)		502*250*616 (S) /481*220*438 (H)	
Net weight (kg)		62 / 18	64 / 20
STANDARDS			
Safety		IEC/EN62040-1,IEC/EN60950-1	
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4, IEC61000-4-5,IEC61000-4-6,IEC61000-4-8	
BATTERY BANK			
Model		MP-BT Series	
Battery type&Max.quantity		2 × 20pcs/7Ah/(9Ah)	
PHYSICAL OF BATTERY BANK			
Dimensions D×W×H (mm)		597 × 250 × 616	
Net weight (kg)		122/134	

Specifications are subject to change without prior notice.