

POWER SERIES

1:1 Phase PF 0.9 (PF 1.0 optional)

Power 6kVA



Features:

- High power density
- Rack/tower convertible design
- N+X parallel redundancy, support maximum 4 units in parallel
- Online doubleconversion with full digital control
- Optimization battery group, the quantity of battery: +-8/+-9/+-10pcs (settable)
- Wide input frequency range
- Generator compatible
- ECO mode operations for energy saving
- Self testing when UPS startup
- Multiple communication interface:RS232/USB/EPO (Dry Contact/SNMP card optional)
- Parallel Kit default
- Maximum Charging Current up to 10A
- Cold start
- Intelligent fan speed regulation
- Multiple protection function:short-circuit, overload, overheat,battery



Technical Specifications

MODEL	KPU-6000
Capacity	6000VA/5400W
INPUT	
Nominal voltage	208/220/230/240Vac
Input voltage range	110-286Vac
Frequency range	40-70Hz (50/60Hz Auto-Sensing)
Power factor	≥ 0.99
Bypass voltage range	Max.voltage: 220V:+25% (Optional+10%, 15%, 20%) 230V:+20% (Optional+10%, 15%, 20%) 240V:+15% (Optional+10%) Min.voltage: -45% (Optional-20%, -30%)
OUTPUT	
Output voltage	208/220/230/240Vac
Power factor	0.9
Voltage regulation	± 1%
Output frequency	Line Mode: ± 1%± 2%± 3%± 4%± 5%± 10% of the rated frequency (Optional)
	Bat. Mode:(50/60± 0.1%)Hz
Crest Factor	3:01
Harmonic Distortion (THDv)	≤ 2% for Linear Load; ≤ 5% for Non Linear Load
Transfer Time	AC Mode to Battery Mode ; 0 ms Inverter Mode to Bypass Mode: 0 ms
Output waveform	Pure Sinewave
Overload Capacity	Line Mode: Load ≤ 110% last 60min; ≤ 125% last 10min; ≤ 150% last 1min; >150% turn to bypass mode immediately
Bypass Mode	40A (Breaker)
Efficiency	94%
BATTERY	
Battery Voltage	± 96/± 108/± 120Vdc (Adjustable)
Capacity (Standard unit)	9Ah/12V (7Ah/12V optional)
Typical recharging time	6-8 hours (to 90% of full capacity)
Charging Current	1A (Standard unit); Long run unit Max.current 10A (Charging current can be set according to battery capacity)
INDICATORS	
LED Display	Line mode, Bat. Mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault
LCD Display	Input voltage, Input frequency, Output voltag, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time
ALARM	
Battery mode	Beeping every 4 seconds
Battery low	Beeping every second
Overload	Beeping twice every second
Fault	Continuously beeping

PHYSICAL	
Dimensions WxDxH (mm)	440x625x86.5
Net weight (kg)	16
ENVIRONMENT	
Operation temperature	0 °C- 40 °C
STORAGE TEMPERATURE	
Humidity range	20%-95%RH @ 0-40 °C (Non Condensing)
Altitude	<1500m, derating required when >1500m
Noise level	<55dB at 1 meter
STANDARD	
Safety	IEC/EN62040-1, IEC/EN62477-1
EMC	IEC/EN62040-2, IEC/EN61000-4-2, IEC/EN61000-4-3, IEC/EN61000-4-3, IEC/EN61000-4-4, IEC/EN61000-4-5, IEC/EN61000-4-6, IEC/EN61000-4-8

BATTERY CABINET-TECHNICAL SPECIFICATIONS:

MODEL	KPBC-9A20
BATTERY SYSTEM	
Battery type	VRLA (Lead acid maintenance free battery)
Typical battery recharge time	6-8 hours (to 90% of full capacity)
System voltage	± 120Vdc
Battery quantity	20
Capacity	9Ah (12V)
PHYSICAL	
Dimensions WxDxH (mm)	440X680X131
Net weight (kg)	63
ENVIRONMENT	
Safety	CE
Operation temperature	0 °C- 40 °C
Relative humidity	0-95% (Non Condensing)
Noise level	<40dB at 1 meter

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Power range 10kVA



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- Wide input frequency range
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- Self testing when UPS startup
- Multiple communication interface: RS232/USB/EPO (Dry Contact/SNMP card optional)
- Parallel Kit default
- Maximum Charging Current up to 10A
- Cold start
- Intelligent fan speed regulation
- Multiple protection function: short-circuit, overload, overheat, battery



Technical Specifications

MODEL	KPU-10000
Capacity	10000VA/9000W
INPUT	
Nominal voltage	208/220/230/240Vac
Input voltage range	110-286Vac
Frequency range	40-70Hz (50/60Hz Auto-Sensing)
Power factor	≥ 0.99
Bypass voltage range	Max.voltage: 220V:+25% (Optional+10%, 15%, 20%) 230V:+20% (Optional+10%, 15%, 20%) 240V:+15% (Optional+10%) Min.voltage: -45% (Optional-20%, -30%)
OUTPUT	
Output voltage	208/220/230/240Vac
Power factor	0.9
Voltage regulation	± 1%
Output frequency	Line Mode: ± 1%± 2%± 3%± 4%± 5%± 10% of the rated frequency (Optional)
	Bat. Mode:(50/60± 0.1%)Hz
Crest Factor	3:01
Harmonic Distortion (THDv)	≤ 2% for Linear Load; ≤ 5% for Non Linear Load
Transfer Time	AC Mode to Battery Mode ; 0 ms Inverter Mode to Bypass Mode: 0 ms
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LCD Display	Input voltage, Input frequency, Output voltag, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time
ALARM	
Battery mode	Beeping every 4 seconds
Battery low	Beeping every second
Overload	Beeping twice every second

Fault	Continuously beeping
PHYSICAL	
Dimensions WxDxH (mm)	440x625x86.5
Net weight (kg)	18
ENVIRONMENT	
Operation temperature	0 °C- 40 °C
STORAGE TEMPERATURE	
Humidity range	20%-95%RH @ 0-40 °C (Non Condensing)
Altitude	<1500m, derating required when >1500m
Noise level	<58dB at 1 meter
STANDARD	
Safety	IEC/EN62040-1, IEC/EN62477-1
EMC	IEC/EN62040-2, IEC/EN61000-4-2, IEC/EN61000-4-3, IEC/EN61000-4-3, IEC/EN61000-4-4, IEC/EN61000-4-5, IEC/EN61000-4-6, IEC/EN61000-4-8

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Dimensions WxDxH (mm)	440X680X131
Net weight (kg)	63
ENVIRONMENT	
Safety	CE
Operation temperature	0 °C- 40 °C
Relative humidity	0-95% (Non Condensing)
Noise level	<40dB at 1 meter

