

POWER SERIES

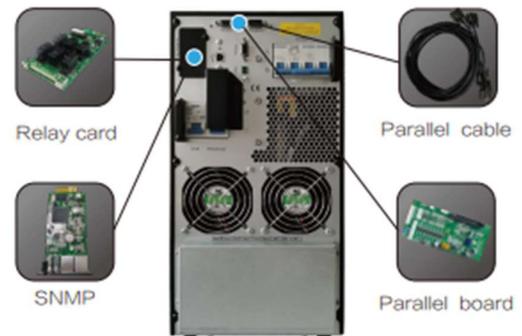
3:1 phase PF 0.9

Capacity:10kVa



Features:

- Support parallel function (Optional)
- Online double conversion with DSP control
- Optimization battery group,the quantity of battery:16/18/20pcs
- Wide input voltage range:208~478Vac
- Wide input frequency range:40~70Hz
- Maximum charging current up to 18A (Settable)
- Support 3/1 and 1/1 operation
- Generator compatible
- ECO mode operation for energy saving
- Design with maintenance switch
- Cold start
- Intelligent fan speed regulation
- Self-testing when UPS startup
- 50/60Hz frequency converter mode
- Colorful 2.4 inch TFT LCD display is optional
- Multiple protection function:short-circuit,overload,overheat, battery overcharge and overdischarge,output low voltage and fan fault alarm
- Multiple communication interface:RS232/USB/EPO (Relay card /SNMP card/Parallel kit optional)



Technical Specifications

MODEL	KPU3-010K	KPUB3-010K
Capacity	10kVA/ 9kW	
INPUT		
Nominal voltage	380/400/415Vac (3PH+N+PE) 220/230/240Vac (L+N+PE)	
Operating voltage range	208~478Vac ; 120~276Vac	
Operating frequency range	40~70Hz (50/60Hz Auto-Sensing)	
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%)	
FREQUENCY		
Frequency protection range	50/60Hz±10%	
OUTPUT		
Output voltage	220/230/240Vac (L+N+PE)	
Voltage regulation	±1%	
Power factor	0.9	
Output frequency	Line Mode	±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional)
	Bat. Mode	(50/60±0.1%)Hz
Transfer time	AC mode to Bat.Mode	0ms
	Inverter to Bypass	0ms
Output waveform	Pure Sinewave	
Crest factor	3:1	
Harmonic distortion (THDv)		
Overload	AC mode	Load≤110%: last 60min turn to bypass; ≤125%: last 10min turn to bypass; ≤150%: last 1min turn to bypass; ≥150% turn to bypass mode immediately
	Bat.mode	Load≤110%: last 10min; ≤125%: last 1min; ≥125% shut down UPS immediately
	Bypass mode	Breaker 2x32A
EFFICIENCY		
Efficiency	up to 93.5%	
BATTERY		
Battery voltage	Standard unit	±120Vdc (20pcs 9Ah) (20pcs 7A、2x20pcs 7/9Ah optional)
	Long run unit	±96Vdc~±120Vdc (16~20pcs, 16pcs default, standard unit and 20pcs no power derating; 20pcs output power factor 0.9, 18pcs output power factor 0.8; 16pcs output power factor 0.7)
Charging current	14A Max.	1.35A(2.7A optional)
	charging current can be set according to battery capacity	
PHYSICAL		
Dimension W x D×H (mm)	H: 220 x 531 x 450 ; S:250 x 900 x 868	
Net weight (kg)	22/114	
ENVIRONMENTAL		
Operating temperature	0°C~40°C	
Storage temperature	-25°C~55°C	
Humidity range	0~95% (Non condensing)	
Altitude	<1500m,derating required when>1500m	
Noise level	<55dB at 1 Meter	
STANDARDS		
Safety	IEC/EN62040-1,IEC/EN62477-1	
EMC	IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8	

BATTERY CABINET TECHNICAL SPECIFICATION:

MODEL BATTERY SYSTEM	KPBC3-9A02
Battery type	VRLA (Lead acid maintenance free battery)
Typical battery recharging time	6~8 hours (to 90% of full capacity)
Typical battery life	3~5 years, depend on discharging cycle and ambient temperature
System voltage	±120Vdc
Battery quantity	2 * ±10 PCS
Capacity	7Ah/9Ah (12V)
PHYSICAL	
Dimension W x D x H (mm)	250 x 619 x 616 (With wheel)
Net weight (kg)	122/134
ENVIRONMENT	
Safety	CE
Operating environment	0°C~40°C
Relative humidity	0~95% (Non condensing)
Noise level	<40dB at 1 Meter

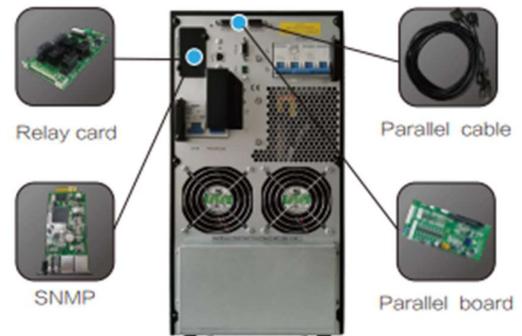
MODEL BATTERY SYSTEM	KPBC3-9A04
Battery type	VRLA (Lead acid maintenance free battery)
Typical battery recharging time	6~8 hours (to 90% of full capacity)
Typical battery life	3~5 years, depend on discharging cycle and ambient temperature
System voltage	±120Vdc
Battery quantity	4 * ±10 PCS
Capacity	7Ah/9Ah (12V)
PHYSICAL	
Dimension W x D x H (mm)	250 x 900 x 868 (With wheel)
Net weight (kg)	265
ENVIRONMENT	
Safety	CE
Operating environment	0°C~40°C
Relative humidity	0~95% (Non condensing)
Noise level	<40dB at 1 Meter

POWER SERIES
 3:1 phase PF 0.9
 Capacity:20kVA



Features:

- Support parallel function (Optional)
- Online double conversion with DSP control
- Optimization battery group,the quantity of battery:16/18/20pcs
- Wide input voltage range:208~478Vac
- Wide input frequency range:40~70Hz
- Maximum charging current up to 18A (Settable)
- Support 3/1 and 1/1 operation
- Generator compatible
- ECO mode operation for energy saving
- Design with maintenance switch
- Cold start
- Intelligent fan speed regulation
- Self-testing when UPS startup
- 50/60Hz frequency converter mode
- Colorful 2.4 inch TFT LCD display is optional
- Multiple protection function:short-circuit,overload,overheat, battery overcharge and overdischarge,output low voltage and fan fault alarm
- Multiple communication interface:RS232/USB/EPO (Relay card /SNMP card/Parallel kit optional)



Technical Specifications

MODEL	KPU3-020K	KPUB3-020K
Capacity	20kVA/ 18kW	
INPUT		
Nominal voltage	380/400/415Vac (3PH+N+PE) 220/230/240Vac (L+N+PE)	
Operating voltage range	208~478Vac ; 120~276Vac	
Operating frequency range	40~70Hz (50/60Hz Auto-Sensing)	
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%)	
FREQUENCY		
Frequency protection range	50/60Hz±10%	
OUTPUT		
Output voltage	220/230/240Vac (L+N+PE)	
Voltage regulation	±1%	
Power factor	0.9	
Output frequency	Line Mode	±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional) (50/60±0.1%)Hz
	Bat. Mode	
Transfer time	AC mode to Bat.Mode	0ms
	Inverter to Bypass	0ms
Output waveform	Pure Sinewave	
Crest factor	3:1	
Harmonic distortion (THDv)		
Overload	AC mode	Load≤110%: last 60min turn to bypass; ≤125%: last 10min turn to bypass; ≤150%: last 1min turn to bypass; ≥150% turn to bypass mode immediately
	Bat.mode	Load≤110%: last 10min; ≤125%: last 1min; ≥125% shut down UPS immediately
	Bypass mode	Breaker 2x63A
EFFICIENCY		
Efficiency	up to 94%	
BATTERY		
Battery voltage	Standard unit	±120Vdc (2x20pcs 9Ah) (2x20pcs 7Ah optional)
	Long run unit	±96Vdc~±120Vdc (16~20pcs, 16pcs default, standard unit and 20pcs no power derating; 20pcs output power factor 0.9, 18pcs output power factor 0.8; 16pcs output power factor 0.7)
Charging current	18A Max.	2.7A
	charging current can be set according to battery capacity	
PHYSICAL		
Dimension W x D×H (mm)	H: 220 x 531 x 450 ; S:250 x 900 x 868	
Net weight (kg)	28/171	
ENVIRONMENTAL		
Operating temperature	0°C~40°C	
Storage temperature	-25°C~55°C	
Humidity range	0~95% (Non condensing)	
Altitude	<1500m,derating required when>1500m	
Noise level	<58dB at 1 Meter	
STANDARDS		
Safety	IEC/EN62040-1,IEC/EN62477-1	
EMC	IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8	

BATTERY CABINET TECHNICAL SPECIFICATION:

MODEL BATTERY SYSTEM	KPBC3-9A02
Battery type	VRLA (Lead acid maintenance free battery)
Typical battery recharging time	6~8 hours (to 90% of full capacity)
Typical battery life	3~5 years, depend on discharging cycle and ambient temperature
System voltage	±120Vdc
Battery quantity	2 * ±10 PCS
Capacity	7Ah/9Ah (12V)
PHYSICAL	
Dimension W x D x H (mm)	250 x 619 x 616 (With wheel)
Net weight (kg)	122/134
ENVIRONMENT	
Safety	CE
Operating environment	0°C~40°C
Relative humidity	0~95% (Non condensing)
Noise level	<40dB at 1 Meter

MODEL BATTERY SYSTEM	KPBC3-9A04
Battery type	VRLA (Lead acid maintenance free battery)
Typical battery recharging time	6~8 hours (to 90% of full capacity)
Typical battery life	3~5 years, depend on discharging cycle and ambient temperature
System voltage	±120Vdc
Battery quantity	4 * ±10 PCS
Capacity	7Ah/9Ah (12V)
PHYSICAL	
Dimension W x D x H (mm)	250 x 900 x 868 (With wheel)
Net weight (kg)	265
ENVIRONMENT	
Safety	CE
Operating environment	0°C~40°C
Relative humidity	0~95% (Non condensing)
Noise level	<40dB at 1 Meter



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