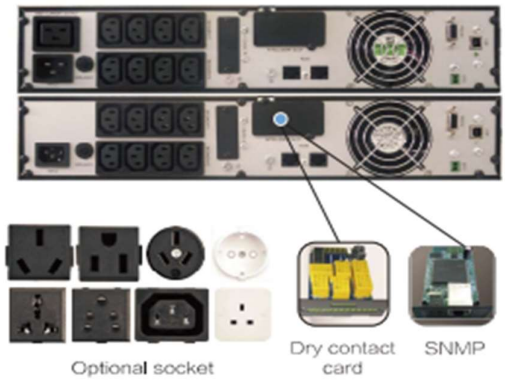
SPECIFICATION SHEET

POWER SERIES
1:1 Phase PF 0.9 (PF 1.0 optional)

Power 1kVA

Features:

- Rack/Tower Convertible design
- Online double conversion with full digital control
- Wide input voltage range: 110~300Vac
- Input power factor 0.99 with PFC
- Selectable output voltage: 208/220/230/240Vac
- Smart charger design for optimized battery performance
- Maximum charging current can be expanded to 12 A (Long run unit)
- Emergency power off function (EPO)
- ECO mode operation for energy saving
- Generator Compatible
- Hot-Swappable battery design
- Cold start
- Intelligent fan speed regulation
- Load segment settable (Optional)
- Versatile LCD human-Computer interface
- Multiple protection function:: short-circuit, overload overheat, battery
- Over charge and over discharge, output low voltage and fan fault alarm.



SPECIFICATION SHEET

Technical Specifications

MODEL	KPU-1000		KPUB-1000	
Capacity	1000VA/900W			
INPUT				
Nominal voltage	208/220/230/240Vac			
Input voltage range	110-300Vac(176-280Vac@100%bad)			
Frequeny range	40-70Hz (50/60Hz Auto-Sensing)			
Power factor	≥ 0.99			
OUTPUT				
Output voltage	208/220/230/240Vac			
Power factor	0.9			
Voltage regulation	± 1%			
Output frequency	Line Mode: 46-54Hz or 56-64Hz			
	Bat. Mode: (50/60± 0.1%)Hz			
Crest Factor	3:01			
Harmonic Distortion (THDv)	≤ 3% 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)		63A (Breaker)	
EFFICIENCY				
AC Mode	89%			
Battery Mode	85%			
BATTERY				
Battery Number	2	3	2	3
Capacity (Standard unit)	9Ah/12V			
Typical recharging time	4 Hours (to 90% of full capacity)			
Charging Voltage	27.4Vdc±1%	41.1Vdc±1%	27.4Vdc±1%	41.1Vdc±1%
Charging Current(Max)	6A/12A		1A	
INDICATORS				
LED Display	Line mode, Bat. Mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault			
LCD Display	Input voltage, Input frequency, Output voltage, 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)	440x325x86.5		440x460x86.5
Net weight (kg)	5.6	11.3	14
ENVIRONMENT			
Operation temperature	0 ˚C- 40 ˚C		
Storage temperature	-25˚C~55˚C		
Humidity range	20%-95%RH @ 0-40 ˚C (Non Condensing)		
Altitude	<1500m, derating required when >1500m		
Noise level	<50dB at 1 meter		
STANDARD			
Safety	IEC/EN62040-1, IEC/EN62477-1		
EMC	IEC/EN62040-2, IEC61000-4-2, IEC601000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8		

Specifications are subject to change without prior notice.

When output voltage is 208Vac, need to derate to 80% of the unit capacity.

BATTERY CABINET-TECHNICAL SPECIFICATION

MODEL	KPBC-9A04	KPBC-9A06	KPBC-9A08	KPBC-9A12		KPBC-96A08
BATTERY SYSTEM						
Battery type	VRLA (Lead acid maintenance free battery)					
Typical battery recharge time	6-8 hours (to 90% of full capacity)					
Typical battery Life	3-5 years, depend on discharging cycle and ambient temperature					
System voltage	24Vdc	36Vdc	48Vdc	72Vdc		96Vdc
Battery quantity	4	6	8	12		8
Capacity	9Ah/12V (7Ah/12V optional)					
PHYSICAL						
Dimensions WxDxH (mm)	440x430x86.5		440x550x86.5	440x710x86.5		440x550x86.5
Net weight (kg)	17.4		22.5	31.5	44	31.5
ENVIRONMENT						
Safety	CE					
Operation temperature	0 ˚C- 40 ˚C					
Relative humidity	0-95% (Non Condensing)					
Noise level	<40dB at 1 meter					

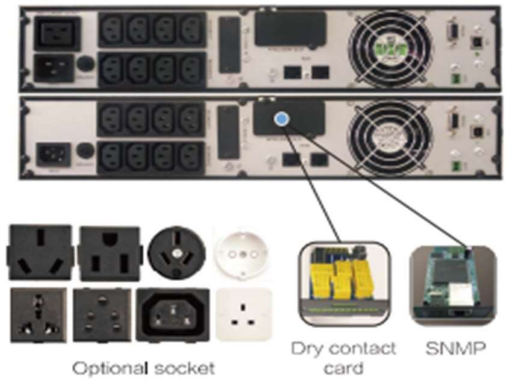
POWER SERIES
1:1 Phase PF 0.9 (PF 1.0 optional)
Power 2kVA

Features:


Multifunctional bracket


The LCD panel can be rotated

- Rack/Tower Convertible design
- Online double conversion with full digital control
- Wide input voltage range: 110~300Vac
- Input power factor 0.99 with PFC
- Selectable output voltage: 208/220/230/240Vac
- Smart charger design for optimized battery performance
- Maximum charging current can be expanded to 12 A (Long run unit)
- Emergency power off function (EPO)
- ECO mode operation for energy saving
- Generator Compatible
- Hot-Swappable battery design
- Cold start
- Intelligent fan speed regulation
- Load segment settable (Optional)
- Versatile LCD human-Computer interface



- Multiple protection function:: short-circuit, overload overheat, battery
- Over charge and over discharge, output low voltage and fan fault alarm.

SPECIFICATION SHEET

Technical Specifications

MODEL	KPU-2000		KPUB-2000	
Capacity	2000VA/ 1800W			
INPUT				
Nominal voltage	208/220/230/240Vac			
Input voltage range	110-300Vac(176-280Vac@100%bad)			
Frequency range	40-70Hz (50/60Hz Auto-Sensing)			
Power factor	≥ 0.99			
OUTPUT				
Output voltage	208/220/230/240Vac			
Power factor	0.9			
Voltage regulation	± 1%			
Output frequency	Line Mode: 46-54Hz or 56-64Hz			
	Bat. Mode: (50/60± 0.1%)Hz			
Crest Factor	3:01			
Harmonic Distortion (THDv)	≤ 3% 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)		63A (Breaker)	
EFFICIENCY				
AC Mode	91%			
Battery Mode	87%			
BATTERY				
Battery Number	4	6	4	6
Capacity (Standard unit)	9Ah/12V			
Typical recharging time	4 Hours (to 90% of full capacity)			
Charging Voltage	54.8Vdc±1%	82.4Vdc±1%	54.8Vdc±1%	82.4Vdc±1%
Charging Current(Max)	6A/12A		1A	
INDICATORS				
LED Display	Line mode, Bat. Mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault			
LCD Display	Input voltage, Input frequency, Output voltage, 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)	440x600x86.5	440x460x86.5
Net weight (kg)	10.5	19.5
ENVIRONMENT		
Operation temperature	0 ˚C- 40 ˚C	
Storage temperature	-25˚C~55˚C	
Humidity range	20%-95%RH @ 0-40 ˚C (Non Condensing)	
Altitude	<1500m, derating required when >1500m	
Noise level	<50dB at 1 meter	
STANDARD		
Safety	IEC/EN62040-1, IEC/EN62477-1	
EMC	IEC/EN62040-2, IEC61000-4-2, IEC601000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8	

Specifications are subject to change without prior notice.

When output voltage is 208Vac, need to derate to 80% of the unit capacity.

BATTERY CABINET-TECHNICAL SPECIFICATION

MODEL	KPBC-9A04	KPBC-9A06	KPBC-9A08	KPBC-9A12	KPBC-96A08
BATTERY SYSTEM					
Battery type	VRLA (Lead acid maintenance free battery)				
Typical battery recharge time	6-8 hours (to 90% of full capacity)				
Typical battery Life	3-5 years, depend on discharging cycle and ambient temperature				
System voltage	24Vdc	36Vdc	48Vdc	72Vdc	96Vdc
Battery quantity	4	6	8	12	8
Capacity	9Ah/12V (7Ah/12V optional)				
PHYSICAL					
Dimensions WxDxH (mm)	440x430x86.5		440x550x86.5	440x710x86.5	440x550x86.5
Net weight (kg)	17.4		22.5	31.5 / 44	31.5
ENVIRONMENT					
Safety	CE				
Operation temperature	0 ˚C- 40 ˚C				
Relative humidity	0-95% (Non Condensing)				
Noise level	<40dB at 1 meter				

SPECIFICATION SHEET

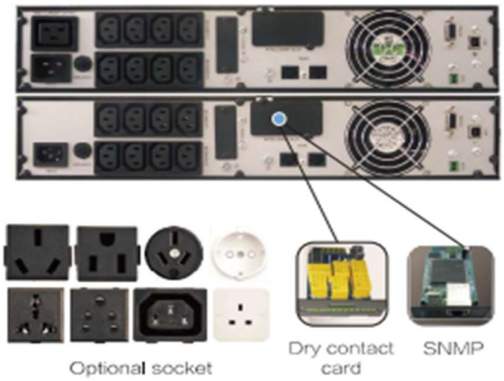
POWER SERIES
1:1 Phase PF 0.9 (PF 1.0 optional)
Power 3kVA

Features:

- Rack/Tower Convertible design
- Online double conversion with full digital control
- Wide input voltage range: 110~300Vac
- Input power factor 0.99 with PFC
- Selectable output voltage: 208/220/230/240Vac
- Smart charger design for optimized battery performance
- Maximum charging current can be expanded to 12 A (Long run unit)
- Emergency power off function (EPO)
- ECO mode operation for energy saving
- Generator Compatible
- Hot-Swappable battery design
- Cold start
- Intelligent fan speed regulation
- Load segment settable (Optional)
- Versatile LCD human-Computer interface
- Multiple protection function:: short-circuit, overload overheat, battery
- Over charge and over discharge, output low voltage and fan fault alarm.


Multifunctional bracket


The LCD panel can be rotated



SPECIFICATION SHEET

Technical Specifications

MODEL	KPU-3000	KPUB-3000
Capacity	3000VA/2700W	
INPUT		
Nominal voltage	208/220/230/240Vac	
Input voltage range	110-300Vac(176-280Vac@100%bad)	
Frequeny range	40-70Hz (50/60Hz Auto-Sensing)	
Power factor	≥ 0.99	
OUTPUT		
Output voltage	208/220/230/240Vac	
Power factor	0.9	
Voltage regulation	± 1%	
Output frequency	Line Mode: 46-54Hz or 56-64Hz	
	Bat. Mode: (50/60± 0.1%)Hz	
Crest Factor	3:01	
Harmonic Distortion (THDv)	≤ 3% 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)	63A (Breaker)
EFFICIENCY		
AC Mode	92%	
Battery Mode	88%	
BATTERY		
Battery Number	6	8 / 6
Capacity (Standard unit)	9Ah/12V	
Typical recharging time	4 Hours (to 90% of full capacity)	
Charging Voltage	82.2Vdc±1%	82.2Vdc±1% / 82.2Vdc±1%
Charging Current(Max)	6A/12A	1A
INDICATORS		
LED Display	Line mode, Bat. Mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault	
LCD Display	Input voltage, Input frequency, Output voltage, 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)	440x600x86.5		
Net weight (kg)	25	11	26
ENVIRONMENT			
Operation temperature	0 ˚C- 40 ˚C		
Storage temperature	-25˚C~55˚C		
Humidity range	20%-95%RH @ 0-40 ˚C (Non Condensing)		
Altitude	<1500m, derating required when >1500m		
Noise level	<50dB at 1 meter		
STANDARD			
Safety	IEC/EN62040-1, IEC/EN62477-1		
EMC	IEC/EN62040-2, IEC61000-4-2, IEC601000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8		

Specifications are subject to change without prior notice.

When output voltage is 208Vac, need to derate to 80% of the unit capacity.

BATTERY CABINET-TECHNICAL SPECIFICATION

MODEL	KPBC-9A04	KPBC-9A06	KPBC-9A08	KPBC-9A12	KPBC-96A08
BATTERY SYSTEM					
Battery type	VRLA (Lead acid maintenance free battery)				
Typical battery recharge time	6-8 hours (to 90% of full capacity)				
Typical battery Life	3-5 years, depend on discharging cycle and ambient temperature				
System voltage	24Vdc	36Vdc	48Vdc	72Vdc	96Vdc
Battery quantity	4	6	8	12	8
Capacity	9Ah/12V (7Ah/12V optional)				
PHYSICAL					
Dimensions WxDxH (mm)	440x430x86.5		440x550x86.5	440x710x86.5	440x550x86.5
Net weight (kg)	17.4		22.5	31.5 / 44	31.5
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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