SINGLE PHASE ONLINE UPS

UPS TOWER
1KVA - 3KVA

Features

- High power density
- 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
- Emergency power off function (EPO)
- ECO mode operation for energy saving
- Generator compatible
- Cold start
- Intelligent fan speed regulation
- Versatile LCD human-computer interface
- Multiple communication interface: RS232 (USB/EPO/Relay card /SNMP card optional)
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm

Optimized battery configuration
9Ah (12V)

Colourful LCD

Socket

SNMP

Rear panel

TECHNICAL SPECIFICATIONS

MODEL		KUKS T01 WB FP1	KUKS T02 WB FP1	KUKS T03 WB FP1
Capacity		1000 VA/1000 W	2000 VA/2000 W	3000 VA/3000 W
INPUT				
Nominal voltage		208/220/230/240 Vac		
Input voltage range		110 ~ 300 Vac (176 ~ 264 Vac@ 100% load)		
Power factor		≥ 0.99		
FREQUENCY				
Frequency range		40 ~ 70 Vac (50/60HZ Auto- sensing)		
OUTPUT				
Voltage		208 / 220 / 230 / 240 Vac		
Voltage regulation		± 1%		
Power factor		1.0		
Output frequency	Line mode	46 ~ 54 Hz or 56 ~ 64 Hz		
	Bat. Mode	(50/60 ± 0.1%)Hz		
Total harmonic distortion (THDv)		≤ 3% (linear load); ≤ 5% (non - linear load)		
Crest factor		3:1		
Transfer time	AC mode to Bat.mode	0ms		
	Inverter to Bypass	4ms (Typical)		
Output waveform		Pure Sinewave		
EFFICIENCY				
AC mode		90%	91%	92%
ECO mode		95%	96%	97%
Battery mode		85%	87%	88%
BATTERY				
Battery number		2	4	6
Capacity (Standard unit)		9Ah/12V		
Typical recharging time		4 hours (To 90% of full capacity)		
Charging current (Max.)		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		Continously beeping		
PHYSICAL				
Dimension W×D×H		144 x 293 x 209	191 x 460 x 337	
Net weight (Kg)		9.3 Kg	19.5 Kg	24.5 Kg
ENVIRONMENT				
Operating temperature		O°C ~ 40°C		
Storage temperature		-25°C ~ 55°C		
Humidity range		20~95%RH @ 0~40°C (Non condensing)		
Altitude		<1000m, derating 1% for each additional 100m		
Noise level		<50dB at 1 Meter		
STANDARDS				
Safety		IEC/EN 62040-1, IEC/EN 62477-1		
EMC		IEC/EN 62040-2 (IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, EC 61000-4-11, IEC 61000-2-2)		

- When output voltage is 208Vac,need to derate to 80% of the unit capacity
- Specifications are subject to change without prior notice
- Data above are typical values for reference only, not as a basis for engineering design

V F1.0

UPS Kaise 6 - 10kVA 1:1 phase
PF:1.0 (PF.9,0.8 Optional)

UPS
Kaise Torre 6-10kVA 1:1

CARACTERÍSTICAS

- Redundancia paralela N+X
- Conversión doble en línea con control DSP
- Armónico de corriente de entrada: <3%
- Grupo de baterías Optimizado, con cantidad de baterías de 16/18/20 piezas (opcional)
- Alto factor de potencia de salida a 0.9
- Amplio rango de voltaje de entrada: 120-276Vac
- Amplio rango de frecuencia de entrada
- Entrada de generador de soporte
- Funcionamiento en modo ECO para ahorrar energía
- Autocomprobación al arrancar el SAI
- Opciones: Tarjeta SNMP/ Tarjeta de relé/Tarjeta paralela
- Arranque en frío

Colourful LCD

BlueLCD

Gray LCD

Se puede seleccionar 3 tipos de Pantallas

Parallel board

Relay card

SNMP

Battery Cabinets.
(Optional)

ESPECIFICACIONES

MODEL	KUKS-T06K-WB	KUKS-T06NB	KUKS-T10K-WB	KUSK-T10K-NB
Capacity (VA/Watts)	6 KVA / 5.4 KW	6 KVA / 5.4 KW	10 KVA / 10KW	10 KVA / 10 KW
INPUT				
Nominal Voltage	220/230/240Vac			
Operating Voltage Range	120-276Vac			
Frequency Range	50Hz:45--55Hz; 60Hz:54-66Hz(auto sensing)			
Power Factor	;,,Q.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%)			
Bypass frequency range	Frequency protection range:± 10%			
ECO range	Same as the bypass			
Harmonic distortion (THDi)	<3%(100% linear load)			
Generator input	Support			
OUTPUT				
Output Voltage	220/230/240Vac			
Power Factor	0.9			
Voltage Regulation	**±1%**			
Frequency – Line Mode	± 1%/± 2%/± 4%/± 5%/± 10% of the rated frequency(optional)			
Frequency – Bat. Mode	50/60(± 0.1)Hz			
Crest Factor	3:1			
Harmonic Distortion (THDv)	,;,2% with linear load ,;;5% with non-linear load			
Efficiency	>92%		>93%	
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 10min, ,;;130%: last 1min, >130% turn to bypass mode immediately			
Overload – Bypass Mode	40A(Breaker)		80A(Breaker)	
Short circuit	Hold whole system			
Overheat	Line Mode: Turn to Bypass; Bat. 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 alamrs	Line failure, Battery low, Overload, System fault			
LED & LCD display	Line mode Bat. mode, Eco mode Bypass mode Batterv under voltaqe 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"C -40"C			
Storage temperature	'-25"C -55"C			
Humidity range	'0 -95% (non-condensing)			
Altitude	< 1500m			
Noise level	<55dB			
PHYSICAL				
Dimension W x D x H (mm)	Standard model:191*460*720; long run model:191*405*330			
Net weight (kg)	Standard model:60kg; long run model:11kg		Standard model:61kg; long run model:12kg	
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			