SINGLE PHASE ONLINE UPS

Kaise®

UPS RACK TOWER
6KVA - 10KVA

Features

- High power density
- LCD supports Rack/Tower convertible design
- N+X parallel redundancy, support maximum 4 units in parallel
- Online double conversion with full digital control
- Optimization battery group, the quantity of battery: 16/18/20pcs (Settable)
- Wide input voltage range: 110 – 286Vac
- Wide input frequency range
- Generator compatible
- ECO mode operation for energy saving
- Self-testing when UPS startup
- Multiple communication interface: RS232/USB/PO (Relay card /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 overcharge and overdischarge, output low voltage and fan fault alarm
- PDU with maintenance bypass switch (Optional)

Colorful LCD

Multifunctional bracket

Battery cabinet
(Optional)

Optimized battery configuration
7Ah/9Ah (12V)

The LCD panel can
be rotated

TECHNICAL SPECIFICATIONS

MODEL		KUKS RT06NB	KUKS RT10NB
Capacity		6000 VA/5400 W	10000 VA/9000 W
INPUT			
Nominal voltage		208 / 220 / 230 / 240 Vac	
Input voltage range		110 ~ 286 Vac	
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%)	
FREQUENCY			
Frequency range		40~70Hz (50/60Hz Auto-Sensing)	
OUTPUT			
Voltage		208/220/230/240 Vac	
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	
Crest factor		3:1	
Transfer time	AC mode to Bat.mode	0ms	
	Inverter to Bypass	0ms	
Output waveform		Pure Sinewave	
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)
Efficiency		Up to 93.5%	
BATTERY			
Battery voltage		±96/±108/±120Vdc (Settable)	
Typical recharging time		6~8 hours (To 90% of full capacity)	
Charging current		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 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		440 x 625 x 86.5	
Net weight (Kg)		16	18
ENVIRONMENT			
Operating temperature		O°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		<55dB at 1 Meter	<58dB 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, IEC 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