



Kaise[®]

UPS KAISE 6 ~ 10KVA



Features

- Rack / Tower design
 - High frequency and true double-conversion
 - DSP digital control technology
 - Input power factor correction (PFC)
 - Wide input voltage range (110 V ~ 300 V)
 - Output power factor 0.9
 - Cold start
 - Auto sensing frequency
 - ECO mode operation for energy saving
 - Selectable output voltage via LCD
 - 50 Hz / 60 Hz frequency conversion mode
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- Selectable battery low voltage via LCD
 - Power-on self test
 - Advanced battery management (ABM)
 - Short circuit and overload protection
 - Automatic charging in OFF mode
 - Fan speed auto control when temperature varies
 - Standard RS232 communication port and RJ45 protection
 - Optional USB / SNMP communication port
 - Optional emergency power off (EPO)
 - Optional extension battery bank
 - Optional N+X redundancy parallel



Rear Panel

1. AC Input
2. DC Input
3. Outlet
4. Fan
5. RS232
6. USB (optional)
7. EPO (optional)
8. SNMP/AS400 (optional)
9. Parallel Card (optional)



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MODEL		EA906IIRT	EA9010IIRT
Capacity		6 kVA / 5400 W	10 kVA / 9000 W
INPUT			
Rated voltage		208 V / 220 V / 230 V / 240 Vac	
Voltage range		110 ~ 160 Vac (linear derating between 50% and 100% load); 160 ~ 280 Vac (no derating); 280 ~ 300 Vac (derating 50%)	
Frequency		40 ~ 70 Hz ± 0.5% (auto-sense)	
Power factor		≥ 0.99	
Bypass voltage range		- 40 ~ +15% (settable)	
OUTPUT			
Voltage		208 V / 220 V / 230 V / 240 Vac (settable via LCD)	
Voltage regulation		± 1%	
Frequency		Synchronized with utility in mains mode; 50 / 60 Hz ± 0.2 Hz in battery mode	
Waveform		Sinusoidal	
Crest factor		3:1	
Harmonic distortion		≤ 2% (linear load); ≤ 5% (non-linear load)	
Transfer time		Mains mode to battery mode: 0 ms; Inverter mode to bypass mode: 0 ms	
Overload		105% ~ 125% for 3 min, 125% ~ 150% for 30 s, >150% for 0.5 s	
EFFICIENCY			
Mains mode		≥ 93%	
Battery mode		≥ 91%	
ECO mode		≥ 98%	
BATTERIES			
DC voltage		192 V	
Inbuilt battery of standard model		16 × 7 Ah	16 × 9 Ah
Charging current	Standard model	1 A	
	Long time model	1 A / 3 A / 5 A / 8 A	
Recharge time		8 h	
ALARMS			
Utility failure		4 s per beep	
Low battery		1 s per beep	
Overload		1 s twice beep	
UPS fault		Long beep	
OTHERS			
Communications		RS232 (standard), USB / SNMP (optional)	
Humidity		20 ~ 90% RH @ 0 ~ 40°C (non-condensing)	
Noise level		≤ 55 dB (1 m)	
Long time model	Dimensions (W × D × H) (mm)	440 × 580 × 132 (UPS)	
	Packaged dimensions (W × D × H) (mm)	530 × 703 × 227 (UPS)	
Standard model	Net / Gross weight (kg)	16.4 / 20.7	17.1 / 21.4
	Dimensions (W × D × H) (mm)	440 × 580 × 132 (UPS), 440 × 580 × 132 (BAT)	
Standard model	Packaged dimensions (W × D × H) (mm)	530 × 703 × 227 (UPS), 530 × 703 × 227 (BAT)	
	Net / Gross weight (kg)	16.4 / 20.7 (UPS)	17.1 / 21.4 (UPS)
		43.6 / 47.1 (BAT)	49.6 / 53.1 (BAT)

- Derate capacity to 70% in CUCF mode and to 90% when the output voltage is adjusted to 208 Vac.
- All specifications subject to change without notice.
- Custom-made specifications are acceptable.