UPS Technical

Single Phase High Frequency series

Online Double Conversion

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Single Phase High Frequency Series

MODEL		C1K	C2K	C3K
CAPACITY		1000VA / 800W	2000VA / 1600W	3000VA / 2400W
Type		Online Double Conversion		
INPUT				
Voltage Range		110 - 300 VAC (Auto sensing)		
Frequency Range		46Hz ∼ 55 Hz or 56Hz ∼ 64 Hz		
Phase		Single phase with ground		
PowerFactor (nominal output @ full load)		≧ 0.99		
OUTPUT				
Output Voltage		200/208/220/230/240 VAC		
AC Voltage Regulation (Static)		± 1%		
Frequency Range (Synchronized Range)		48 ∼ 52 Hz or 58 ∼ 62 Hz		
Frequency Range (Batt. Mode)		50 Hz ± 0.2 Hz or 60Hz ± 0.2 Hz		
Current Crest Ratio		3:1		
Harmonic Distortion		≦ 2 % THD (Linear Load), ≦ 6 % THD (Non-linear Load)		
Transfer Time	AC Mode to Batt. Mode	Zero		
	AC Mode to Bypass	4 ms (Typical)		
Waveform (Batt. Mode)		Pure sinewave		
EFFICIENCY(Peak)				
AC Mode (@100% RCD load)		88%	88%	88%
Battery Mode (@100% RCD load)		83%	83%	83%
BATTERY				
Standard Model	Battery Type	12V / 7Ah	12V / 7Ah	12V / 9Ah
	Battery Numbers	2	4	6
	Typical Recharge Time	5 hours recover to 90% capacity		
	Charging Current	1.0 A		
	Charging Voltage	27.4 VDC ± 1%	54.8 VDC ±1%	82.2 VDC ±1%
Long-run Model	Battery Numbers	3	6	8
	Charging Current	4.0 A		
	Charging Voltage	41.1 VDC ± 1%	82.2 VDC ±1%	109.6 VDC ±1%
INDICATORS				
LED Panel		UPS status, Load level, Battery level, and Fault conditions		
ALARM				
Battery Mode		Sounding every 4 seconds		
Low Battery		Sounding every second		
Overload		Sounding twice every second		
Fault		Continuously sounding		
PHYSICAL				
Standard Model	D x W x H(mm)	360 call 145call227	400 call 190 call 327	380x190x330
	Net Weight (kg)	9	17.7	23.9
Long-run Model	D x W x H(mm)	360 call 145 call 227	400 call 190 call 327	400 call 190 call 327
	Net Weight (kg)	5.2	8.6	8.7
ENVIRONMENT				
Operation Humidity		0-95 % RH @ 0- 40。C (non-condensing)		
Noise Level		Less than 50db @1 Meter		
MANAGEMENT				
Communication		RS232 Card/Optional USB Card,SNMP Card,or AS400 Card available		
Protection		Output short-circuit protection, overload protection, over-current. Over-temperature protection and low battery voltage protection		

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MODEL		C6K	C10K
CAPACITY		6000VA / 4800 W	10000VA / 8000 W
Type		Online Double Conversion	
INPUT			
Voltage Range	Low Line Transfer	110 VAC ± 3% at 50% Load176 VAC ± 3% at 100% Load	
	Low Line Comeback	120 VAC ± 3% at 50% Load186 VAC ± 3% at 100% Load	
	High Line Loss	300 VAC ± 3%	
	High Line Comeback	290 VAC ± 3%	
Frequency Range		46Hz ∼ 54 Hz or 56Hz ∼ 64 Hz	
Power Factor		≧ 0.99 @ 100% load	
OUTPUT			
Output Voltage		200/208/220/230/240VAC	
AC Voltage Regulation		± 1%	
Frequency Range (Synchronized Range)		46Hz ∼ 54 Hz @ 50Hz system ; 56Hz ∼ 64 Hz @ 60Hz system	
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz	
Current Crest Ratio		3:1 (max.)	
Harmonic Distortion		≦ 3 % THD (Linear Load), ≦ 6 % THD (Non-linear Load)	
Transfer Time	Bypass to Inverter (Line mode)	0ms	
	IInverter to Bypass (Line mode)	0ms	
Waveform (Batt. Mode)		Pure Sinewave	
EFFICIENCY			
Line Mode		90%	
Battery Mode		89%	
BATTERY			
Minimum Discharge Voltage		168VDC	168VDC
Standard Model	Battery Type	12 V / 9 AH	12 V / 9 AH
	Battery Numbers	16	16
	Typical Recharge Time	9 hours recover to 90% capacity	
	Charging Current	Default:1.0 A ± 10%, Max.:2.0A ± 10%	
	Float Charging Voltage	218.4 VDC ± 1%	
Long-run Model	Battery Numbers	16	16
	Charging Current	Default:4.0 A ± 10	
	Float Charging Voltage	218.4 VDC ± 1% (based on 16 pcs batteries)	
INDICATORS			
LCD Panel		UPS status, Load level, Battery level, and Fault conditions	
ALARM			
Battery Mode		Sounding every 4 seconds	
Low Battery		Sounding every second	
Overload		Sounding twice every second	
Fault		Continuously sounding	
PHYSICAL			
Standard Model	Dimension, D x W x H(mm)	515 x 250 x 608	515 x 250 x 608
	Net Weight (kgs)	68	68.5
Long-run Model	Dimension, D x W x H(mm)	530 x 245 x 455	530 x 245 x 455
	Net Weight (kgs)	18	21.5
ENVIRONMENT			
Operation Humidity		0-95 % RH @ 0- 40。C (non-condensing)	
Noise Level		Less than 55dBA @ 1 Meter	Less than 58dBA @ 1 Meter
MANAGEMENT			
Communication		Supports Windows, Linux, Unix, and MAC	