



SERVERS



WORKSTATIONS



CCTV



LABORATORY



POS

1-1 PHASE

UP1000

1-10kVA

True online dual conversion design

Input power factor correction

Generator friendly



TOWER



VFI
TYPE

UPS ONLINE



SERVICE /
TECH SUPPORT



0.8

POWER FACTOR

The UP1000 Series are powerful, compact and efficient online UPS solutions, providing uninterruptible power for servers, multiple work stations, CCTV, POS & laboratory applications.

GENERAL SPECIFICATIONS

- True online dual conversion design.
- Input power factor correction.
- Wide input voltage range. UPS will regulate any voltage from 110 to 300V to 220Vac without switching to battery.
- Efficiency up to 93%.
- ECO-mode for 1 kVA to 3kVA.
- Generator friendly.
- Long-run models available.
- USB and RS232 communication ports.
- LCD display- load & battery level & UPS status.

TECHNICAL SPECIFICATIONS

MODEL	UP101		UP102		UP1030			UP1060	UP1010	
PHASE	Single phase with ground									
CAPACITY*	1000 VA / 800 W		2000 VA / 1600 W		3000 VA / 2400 W			6000 VA / 4800 W	10000 VA / 8000 W	
INPUT										
Nominal Voltage	200/208/220/230/240VAC						208/220/230/240VAC			
Input voltage range	110-300 VAC at 50% load / 160-280VAC at 100%load						110-300 VAC(50% load) 176-300VAC at 100% load			
Frequency range	40 Hz ~ 70 Hz						46~54 Hz or 56~64 Hz			
Power factor (at 100% load)	≥0.99 @ Nominall Voltage (100% load)									
OUTPUT										
Output Voltage	200/208/220/230/240VAC						208/220/230/240VAC			
Voltage Regulation	± 1%									
Frequency Range (Synchronised Range)	47~ 53 Hz						46~54 Hz			
Frequency Range (Batt. Mode)	50 Hz ± 0.25 Hz						50 Hz			
Current Crest Ratio	3:1									
Harmonic Distortion	≤ 3 % THD (Linear Load) ≤ 6 % THD (Non-linear Load)						≤ 3 % THD (Linear Load) ≤ 5 % THD (Non-linear Load)			
Transfer Time	AC to DC	Zero								
	Inverter to Bypass	4 ms (Typical)						Zero		
Waveform (Batt. Mode)	Pure Sinewave									
EFFICIENCY										
To AC Mode	88%		88%		90%			92%	93%	
To Battery Mode	83%		85%		88%			90%	91%	
BATTERY										
Standard Model	Battery Type	12 V / 9 Ah		12 V / 9 Ah		12 V / 9 Ah			12 V / 9 Ah	
	Numbers	2		4		6			16	
	Typical Recharge Time	4 hours recover to 90% capacity						9 hours recover to 90% capacity		
	Charging Current (max.)	1.0 A								
	Charging Voltage	27.4VDC ± 1%		54.7 VDC ±1%		82.1 VDC ±1%			218.4 VDC ±1%	
Long-run Model**	Battery Numbers	Depending on the capacity of external batteries								
	Charging Current (max.)	1A-6A (Adjustable)						1A, 2A, 4A, 6A (Adjustable)		
	Charging Voltage	27.4VDC ±1%	41.0VDC ±1%	54.7 VDC ±1%	82.1 VDC ±1%	109.4VDC ±1%	82.1VDC ±1%	109.4VDC ±1%	218.4 VDC ±1%	
INDICATORS										
LCD	Load level, Battery level, AC mode, Battery mode and Fault indicators									
ALARM										
Battery Mode	Sounding every 4 seconds									
Alarm relays	Sounding every second									
Remote EPO input	Sounding twice every second									
Operating temperature	Continuously sounding									
PHYSICAL										
Standard Model	Dimensions DxWxH (mm)	282 x 145 x 220		397 x 145 x 220		421 x 190 x 318			369 x 190 x 688	442 x 190 x 688
	Net Weight (Kgs)	9.8		17		27.6			63	66
Long-run Model**	Dimensions DxWxH (mm)	282 x 145 x 220		397 x 145 x 220			369 x 190 x 318			442 x 190 x 318
	Net Weight (Kgs)	4.1		6.8		7.4			12	16
ENVIRONMENT										
Humidity	20-90 % RH @ 0- 40°C (Non-condensing)						0-95% RH @ 0-50°C (non-condensing)		0-95% RH @ 0-40°C (non-condensing)	
Noise Level	Less than 50dBA @ 1 Meter						Less than 55dBA @ 1 Meter		Less than 58dBA @ 1 Meter	
MANAGEMENT										
Smart RS-232 / USB	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, Linux, Unix, and MAC									
Optional SNMP	Power management from SNMP manager and web browser									
*1-3KVA: Derate to 80% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 100/200/208VAC 6-10KVA: Derate to 60% of capacity in Frequency converter mode and to 90% when the output voltage is adjusted to 208VAC. **Long-run model is only available in 200/208/220/230/240VAC systems (200VAC system only available for 1-3KVA). Product specifications are subject to change without further notice.										