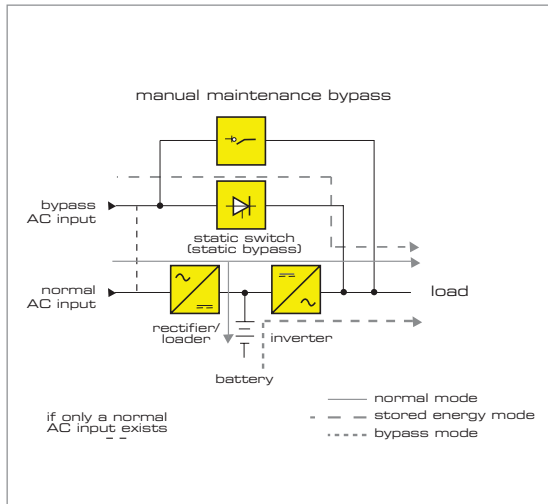


UPS Double conversion high frequency series Single phase 1/2/3 KVA tower type



UPH series 1/3 KVA

Operating principle



In normal mode of operation, the load is continuously supplied by the converter/inverter combination in a double conversion technique i.e. a.c.-d.c.-d.c.-a.c. When the a.c. input supply is out of UPS preset tolerances, the UPS enters stored energy mode of operation where the battery/inverter combination continues to support the load for the duration of the stored energy time or until the a.c. input returns within UPS design tolerances, whichever is the sooner.

Main Features

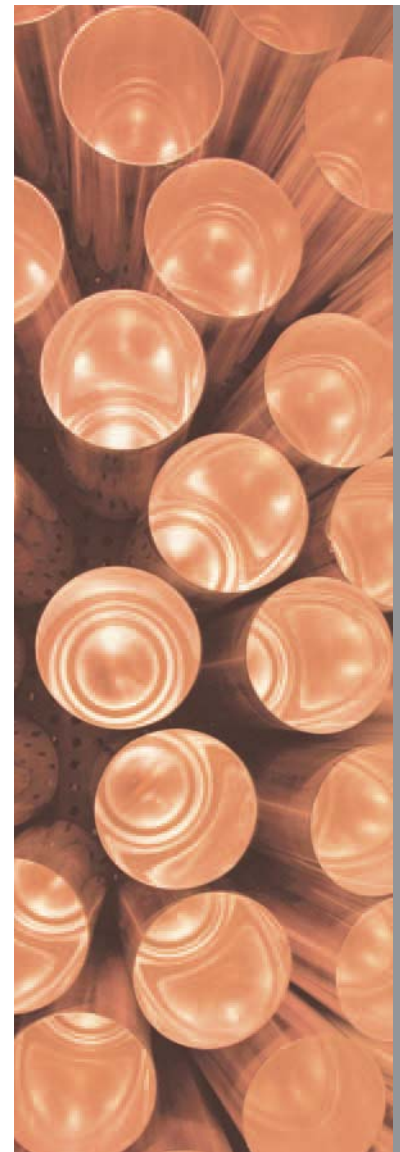
- Complete power protection from an on-line double conversion, automatic static by-pass design for over load and fault condition and Power factor correction
- High level remote monitoring and control using RS232 & SNMP slot interface
- Wide input voltage range
- Full microprocessor controlled, auto diagnostics
- Load and battery status indicator (LCD)
- Expandable battery modules
- Compact, light and low noise
- High efficiency
- Manual bypass
- Optimized for use with generators
- Energy saving (Power-save mode)

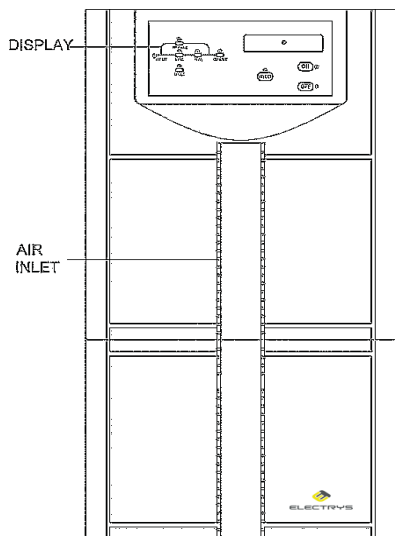
Applications

- Telecommunication equipment
- Industrial processes
- Computers
- House appliances

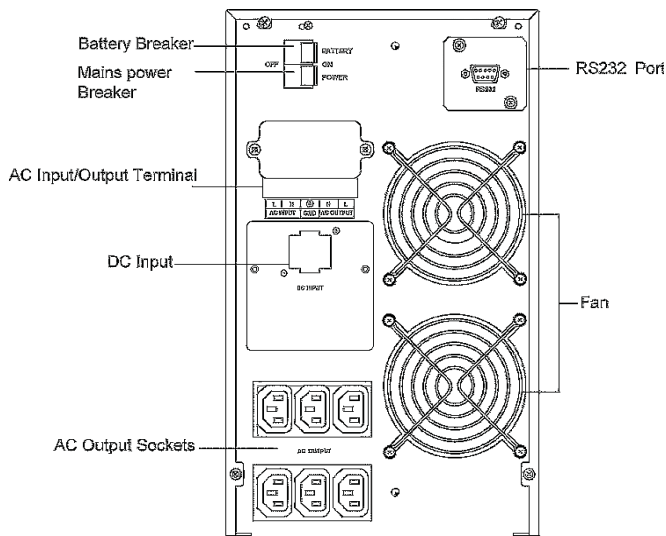
Optional

- Long duration batteries and related charger for the UPS
- Battery cabinet
- Dry contact for alarm signaling
- SNMP management interface





Front view



Rear view

Characteristics

		UPH. 010	UPH. 020	UPH. 030
Model number	Power rating VAW	1000/700	2000/1400	3000/2100
	technology	On-line double conversion with automatic by-pass and power factor correction		
Input AC parameters	Voltage range	230 VAC nominal (160 to 260 VAC)		
	Frequency	50 Hz (47..53Hz) or 60 Hz (57..63 Hz); auto-sensing		
	Power factor	> 0.96		
Output AC parameters	Voltage	200/208/220/230/240 (user configurable) VAC; +/-2%		
	Frequency	50 Hz or 60 Hz (User configurable)		
	Wave form	Sinewave		
	Crest factor	3:1		
	Overload	105%-125% 125%-150%		
	Total harmonic distortion	< 3%		
	Overall efficiency	Up to 90%		
Battery parameters	Type	Valve regulated, non spillable, flame retardant lead acid		
	Quantity*Voltage*Rating	3*12V*7.0Ah	8*12V*7.0Ah	
	Hot swappable battery	External battery cabinet		
	DC voltage	36 VDC (3 batteries)	96 VDC (8 batteries)	
	Backup time	10 minutes 20 minutes		
	Typical load	15 minutes 30 minutes		
Battery management	Automatic recognition of external batteries units => continuous maximization of backup time and deep discharge protection			
By-pass	Transfer time Power failure or recovery Overload disappear	0 ms Auto transfer to UPS		
Connections	Input sockets	1 IEC 10A (IEC C14) cable	1 IEC 16A (IEC C20) cable	
	Output sockets	2 schuko sockets 16A	3 schuko sockets 16A and 1 16A socket	
	Indicators and display	10 LEDs display	5 Leds and LCD display for measurement reading	
	DB9 communication port (RS 232) RJ45 port	Yes (serial communication) providing protection to LAN		
	Communication card slots	SNMP management card		
Operating environment	Operation temperature	0°C to +40°C (+32°F to +104°F)		
	Storage temperature	-15°C to +50°C (+5°F to +122°F)		
	Relative humidity	0% to 95% (non-condensing)		
	Audible noise (at 1 meter)	< 50 dB		
Physical	Weight (without batteries)	7 Kg	21 Kg	
	Weight (with batteries)	14 Kg	36 Kg	
	Dimensions WxDxH (mm)	145x405x220	195x455x330	
	Shipping dimensions WxDxH (mm)	240x495x330	330x590x480	
Agency	Safety	IEC 62040-3 (EN 50091-1.1.1)		
	RF/EMI	IEC 62040-2 (EN 50091-2), Class B		
	Surge immunity	EN 61000 4-2, 4-3, 4-4, 4-5		
Applicable standards	IEC 62040-1-1 (EN 50091-3)			
Approval	CE			

