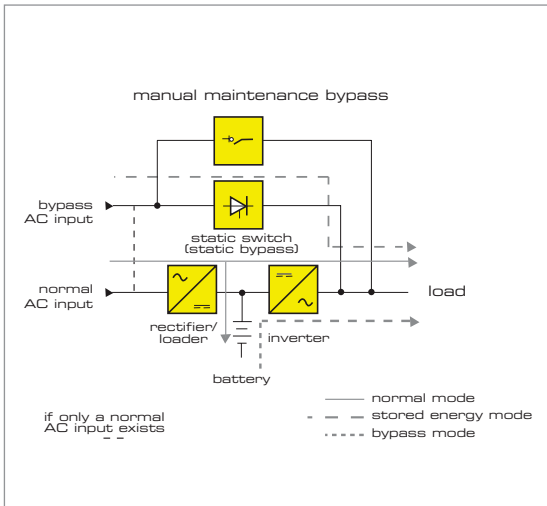


UPS Double conversion low frequency series Single phase 2/6/8/10/15 KVA tower type



UPL11 series 2 KVA/15 KVA

Operating principle



CE

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

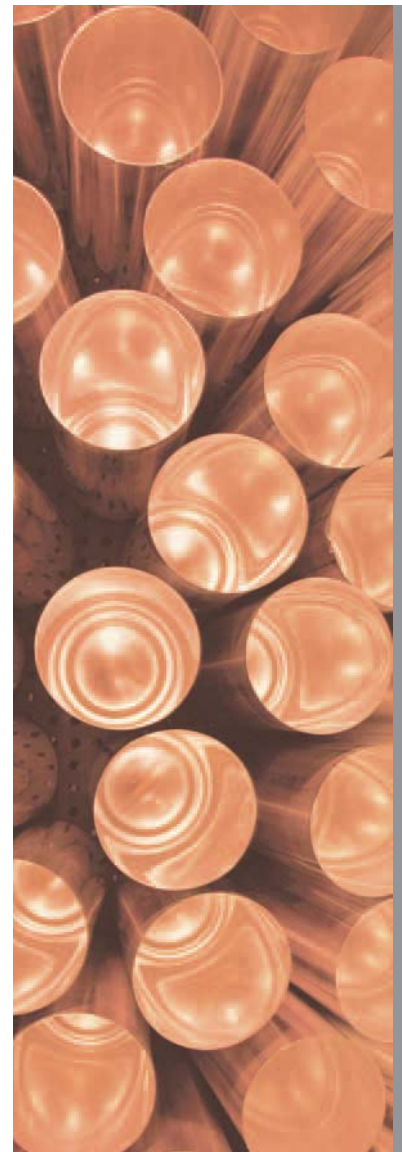
- Online double conversion technology
- Backup time: 10 to 20 minutes (internal battery)
- Interfaces: RS232 / RS485 and dry contact
- Parallel redundancy
- Isolation transformer
- State of the art IGBT technology
- Overload and short circuit protection
- Load and battery status indicator (LCD)
- Expandable battery modules
- Automatic Bypass
- Optimized for use with generators

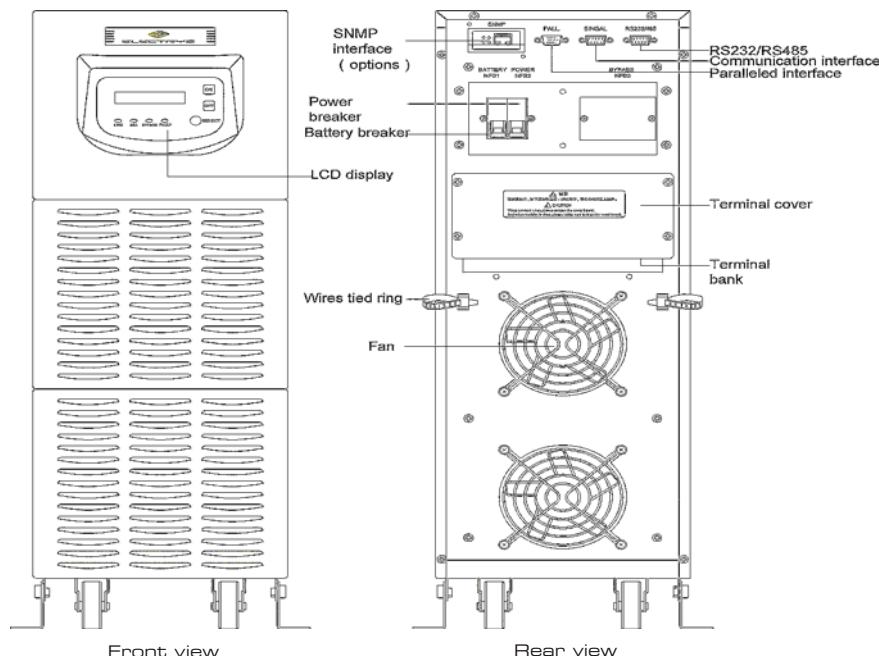
Applications

- Telecommunication equipment
- Industrial processes
- Computers
- House appliances
- Hospitals ICU(ER, OR)

Optional

- Long duration batteries and related charger for the UPS
- Battery cabinet
- Dry contacts for alarm signaling
- SNMP management interface
- 19 inch rack mount model
- Manual bypass
- Parallel redundancy





Characteristics

		UPL11 020	UPL11 060	UPL11 080	UPL11 100	UPL11 150
Model number	Power rating VA/W	2000/1600	6000/4800	8000/6400	10000/8000	15000/12000
	technology	On-line double conversion with automatic by-pass and isolating transformer				
Input AC parameters	Voltage range	220 VAC nominal (165 to 275VAC) L-N				
	Frequency	50 Hz (45..55 Hz) or 60 Hz (55..65 Hz); auto-sensing				
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	1 min				
	105%-125%	20 s				
	130%-150%					
	Power factor	0.8				
Total harmonic distortion	< 3% at 100% linear load, < 4% at 100% non linear load					
AC/AC efficiency	> 85%					
Battery parameters	Type	Valve regulated, non spillable, flame retardant lead acid				
	Quantity*Voltage*Rating	04*12V*7.0Ah	16*12V*7.0Ah			
	Hot swappable battery	External battery cabinet				
	DC voltage	48 VDC	192 VDC (16 batteries)			
	Backup time	internal battery		Depend on the capacity of the external battery pack		
Typical load	10 min					
Half load	20 min					
Protection	Over/Under Voltage, Over load, Over temperature, Short circuit, ect...					
By-pass	Transfer time	0 ms				
	Power failure or recovery	Autotransfer to UPS < 2 ms				
Connections	Overload disappear					
	Input / output sockets	1IEC cable Shucko sockets	Hardwired			
	DB9 communication port (RS 232)	Yes (serial communication)				
Alarm	Communication card	SNMP management				
Operating environment	Alarm	Over Temperature, Battery, Bypass, AC Power Abnormal, Over under voltage				
	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)				
Physical	Audible noise (at 1 meter)	< 50 dB				
	Weight (without batteries)	52 Kg	75 Kg	83 Kg	120 Kg	145 Kg
	Weight (with batteries)	62 Kg	108 Kg			
Applicable standards	Dimensions WxDxH (mm)	230x620x470	230x640x690		300x740x700	
	Approval	IEC 62040-1-1 (EN 50091-3)				
Approval	CE					

