

XS Series High Temperature UPS

Datasheet



The XS series High Temperature UPS (or VFD – voltage & frequency dependent) is an online UPS offering the more basic level of power protection.

When mains supply is within operating range, the UPS output is supplied via a built-in EMI/RFI filter, which provides the load with protection from spikes and transients by clamping peak voltage to pre-defined levels. Furthermore, the output voltage and frequency track the input voltage and frequency respectively.

The XS series UPS offers high quality and reliable power supply to loads. It is possible to add batteries for extended back-times. An "L" model is available which comes without internal batteries and includes a powerful charger.

Key features include:

- Pure Sine wave output for critical loads
- Microprocessor controlled technology
- User friendly LCD display
- 1 – 50A charging current for long back-up
- Battery discharge protection
- Overload & short circuit protection
- Voltage, spike lightning & surge protection
- Adjustable voltage, frequency & battery current
- Extended battery life with Intelligent Battery Management
- Low noise level with smart fan speed control
- Fault alarms and state warnings
- Integrated self-diagnostics
- Auto restart while AC power is returning to normal
- Cold start function
- Sleep mode for energy saving
- Power factor correction
- Low output THD on battery < 3%
- Easy install and maintenance

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Product Specifications

Part Number	UXS-7.5	UXS-10	UXS-15	UXS-20
Input Voltage	110V _{AC} (L-N) ± 15%			
Input Frequency	40 – 70Hz			
Power Factor	≥ 0.99 (from battery)			
THD	< 5% (from battery)			
Input Protection	Yes			
Output Capacity	7.5kVA	10kVA	15kVA	20kVA
Output Efficiency (AC/AC)	97% (line mode) 85% (battery mode)			
Output Power Factor	0.8			
Output Voltage	110V _{AC} (L-N) ±1% (from battery) 110V _{AC} (L-N) ± 15% (at mains mode same as mains)			
Output Frequency	50/60Hz ± 0.1Hz (battery mode)			
THD	< 3% (linear load) <5%)non-linear mode)			
Transfer Time	5ms			
Overload From Bypass	115% - 125% load for 10min. 150% load for 1min.			
Output Protection	Yes			
Battery Voltage	96V _{DC}			
Battery Connection	External			
Charging Current	1-40/50A settable			
Communication Interface	EPO, RS232, dry contact optional, SNMP optional			
Display	LCD			
Alarm	Low battery, abnormal AC input, UPS failure			
Protection	Low battery, overload, short circuit, over temperature			
Noise	< 55dB			
Working Conditions	-5 – 50°C, 0 – 95% humidity, non-condensing			
Dimensions W x D x H	675 x 570 x 1370			
Weight (Without Batteries)	190kg	200kg	210kg	240kg