



Sentinel 7

**On-Line Rack Mount UPS
0 - 1kVA (F type)**



- *19" rack mountable from 2U*
- *Full on-line double conversion UPS*
- *Automatic integral bypass switch*
- *Automatic self test and battery test*
- *Complete protection from mains power disturbances*
- *Zero break battery operation*
- *LCD status & measurement display*
- *Long runtime for critical applications*
- *7 hour standard models*
- *Integral battery charger*
- *Compact attractive modular design*
- *UPS management software*

KSP790 300VA

KSP791 500VA

KSP792 800VA

KSP793 1000VA

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On-Line Rack Mount UPS 0 - 1kVA (F type)

The Sentinel 7 UPS is a 19" rack mountable single phase double conversion AC UPS system that provides secure power to IT, telecom and sensitive electronic equipment when the primary mains supply fails or goes outside safe operating tolerances.

It is an 'on-line' microprocessor controlled fully electronic system with built-in surge, spike, line noise protection & automatic bypass switch. Automated intelligent functions include self-test and battery test which can also be activated remotely.

The system includes integral or external sealed maintenance free batteries, rectifier with wide input voltage and frequency tolerance to maximise battery performance with fully automatic battery charger and a high frequency 30 – 100 KHz transistor sine wave inverter, on/off controls, LCD front panel provides UPS status information and essential system measurements and visual alarms including battery fault.

The Sentinel 7 can also be fitted with self-contained add-on 19" battery trays, which connect directly to the UPS, enabling long runtimes essential in critical environments.

UPS management software offers remote UPS monitoring with automated server shutdown options and status alert via pager, SMS & email. Network integration and web/SNMP management options are available.

Technical Specifications

Input Voltage	: 160-276 VAC Single Phase (120 V Option)
Input Frequency	: 50-60 Hz +/- 5% (auto select)
Input Power Factor	: >0.97
Output Voltage	: 220/230/240 VAC Single Phase (120 V Option)
Output Frequency	: 50 or 60 Hz synchronised with the mains +/-0.05 Hz in emergency operation
Static Voltage Stability	: +/-2%
Output Waveform	: Sine wave – less than 5% THD
Crest Factor	: 3:1
Backup Time	: Standard models up to 7 hours others on request
Transfer Time	: Mains to Battery – Zero Mains to bypass – 4msec
Efficiency	: 87% Minimum
Operating Temperature	: 0°C - +40°C (20°C recommended for maximum Battery life)
Storage Temperature	: -10°C to + 60°C
Operating Humidity	: 0 to 90% non-condensing
Battery Type	: Sealed lead acid maintenance free 5-year life (10 year on request)
Battery Protection	: Automatic low voltage disconnect and restart
Noise Attenuation	: 60dB common mode, 40dB transverse mode
Overload Protection	: Fuses and Automatic Electronic current limit, Short circuit protection, 125%-150% for 30 seconds
Indications	: Front panel LED's
Alarms	: Internal audible alarm
Communication	: RS232/Dry contacts
Audible Noise	: Less than 45dB (A)
Mains & Auxiliary Connections	: Input – mains lead with plug or terminal block Output – Sockets or terminal block
Input/Output Protection	: Fuses / Circuit breakers as appropriate
MTBF / MTTR	: 40,000 Hours / 15 Minutes
Paint Finish	: RAL9002
Approval Standards	: EN50091-1/2, CE Marked,
EMC / Lightning	: CISPR22 Class B / IEEE62.41 Cat A
Warranty	: 1-year parts and factory labour
Dimensions	: See separate table
Options	: 19" rack weight support brackets Redundant switch for two load supplies External Maintenance Bypass Switch Up-rated battery chargers Web/SNMP management Automated server shutdown software
Services	: Delivery, installation & commissioning Service contracts & on-site maintenance



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