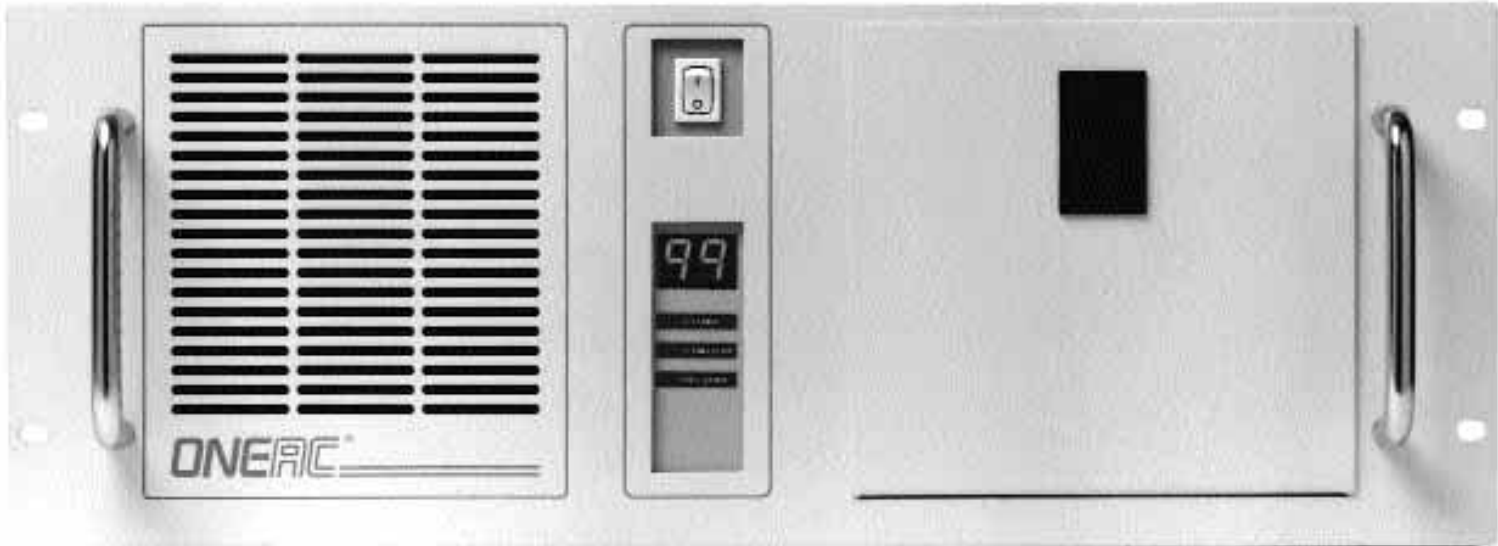


ON SERIES® RACKMOUNT UPS: For many, conventional UPSs are “good enough.” But some find ordinary protection measures inadequate. Others face performance expectations with no tolerance for downtime. ON Series Power Conditioned UPSs are engineered to satisfy these demanding applications.



Ultimate assurance of system reliability

All UPS makers acknowledge the broad range of power disturbances that compromise system reliability. And all address them to some degree. But here's the difference — ONEAC's proprietary power conditioning technology eliminates power problems entirely. Providing a level of protection that even the highest quality surge suppressor and filter technology cannot match.

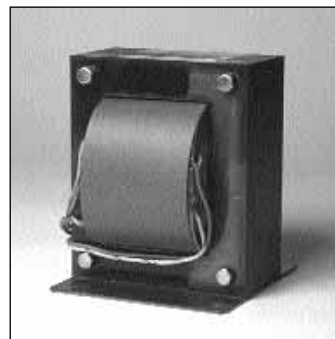
Exceptionally dependable battery backup

We start with premium quality batteries. Thermally isolate them for maximum life. And employ unique charging circuitry attuned to the specific battery characteristics of each model to speed recovery and minimize stress on batteries. Automatic monitoring of battery condition ensures readiness, gives plenty of warning when replacement is recommended. And our patented battery pack allows replacement in under a minute without tools or training, without downtime, and without risk.

Proven durability, backed by a 5-year warranty

ONEAC UPSs robust design is impervious to the harshest electrical environments. Designed and manufactured under ISO9001 quality procedures, ON Series UPSs are exceptionally reliable. With an average mean time between failures more than twice as long as leading competitors. No surprise then that we back our UPSs with greater confidence — 5 years on all power and control systems, 2 years on the battery sub-system.

- **Rack mountable:** installs easily in standard 19" communications racks
- **Full-time, on-line isolating transformer:** eliminates all power contaminants
- **Sinusoidal waveform:** supports even the most sensitive loads
- **ONBoost®:** compensates for momentary voltage drops, conserves batteries
- **Intelligent serial communications:** for advanced diagnostics & remote control
- **On-site, on-line replaceable battery:** minimizes cost and downtime
- **Automatic self test:** ensures battery and system readiness
- **5-year warranty:** the best assurance of product quality and performance in the industry



ONEAC's low-impedance, isolation transformer provides a level of protection superior to surge suppressor and filter based systems — provides greater assurance of system reliability.

ON SERIES RACKMOUNT UPS: Specifications

Power Conditioning

ONEAC's unique power conditioning architecture provides superior protection against the full range of power line disturbances. Components include:

Full output isolation: ONEAC's proprietary transformer design integrates power conditioning magnetics and voltage conversion magnetics in a single compact unit. Provides superior protection against lightning and other high energy surges.

Virtual Kelvin Ground®: Eliminates the full spectrum of conducted power line noise (from 50 kHz to 10 MHz) in all modes, reduces the effect of electrostatic discharge (ESD) and provides an exceptionally clean signal reference ground for electronic systems.

Communications

Basic mode provides standard protocols recognized by UPS monitoring software supplied with Windows NT, NetWare and Banyan operating systems.

Advanced mode uses ONEAC's content-rich ASCII packets to communicate with ONEAC's MopUPS® family of UPS monitoring software for NetWare, Windows NT/95/98/2000, a full catalog of UNIX operating systems and SNMP.

Global Approvals

Models for North America are FCC Class A certified and listed under UL 1778 and CSA22.2 safety standards. Models for Europe carry the GS and CE marks and are tested under the following standards: EN50091, EN60950, EN50081-1, EN55022 (CISPR 22), EN50082-1, IEC801-2, IEC801-3 and IEC801-4.

Performance Characteristics

Nominal input voltage: 120 VAC, 60 Hz & 230 VAC, 50/60 Hz

Surge voltage withstand capability: ANSI/IEEE C62.41 Category A&B, 6 kV/200 & 500 Amp, 100 kHz ringwave

Surge voltage let-through (max): less than 10V Normal mode (L-N), less than 0.5 V Common mode (N-G) when subjected to 6kV ANSI/IEEE C62.41 Cat. A

Normal & common mode clamping response time: Instantaneous

Transfer time (typical/max): < 3.0 / 3.5 milliseconds

On battery output voltage: sine wave

ONBoost: boosts output voltage 11% above input voltage if between -21% & -15% of nominal

Load power factor range (crest factor): UPS .65 to 1.0 (3) — will support loads rated 0.5 to 1.0 (<5)

Batteries: sealed, maintenance-free lead acid with a 3-6 year typical lifetime

Recharge time to 60% available capacity: 4 hours per battery cabinet

All units have temperature sensitive chargers and provide thermal isolation for battery pack.

SERIES	ON600	ON900	ON1300	ON2000	External Battery Pack*
Maximum Capacity (volt-amps, watts)	600, 400	900, 600	1300, 900	1850, 1300	N/A
Batteries	two 12 V, 7 AH	four 6 V, 10 AH	two 12 V, 17 AH	four 6 V, 10 AH	four 12 V, 17 AH
Typical Runtime:					
@ half load	20 min.	21 min.	25 min.	14 min.	***
@ full load	10 min.	9 min.	11 min.	7 min.	
Maximum dimensions (H) - in. (cm)	6.9 (18)	6.9 (18)	10.5 (27)	6.9 (18)	Battery 3.5 (9)
Maximum dimensions (W) - in. (cm)	19 (48)	19 (48)	19 (48)	19 (48)	19 (48)
Maximum dimensions (D) - in. (cm)	15 (38)	15 (38)	15 (38)	18 (46)	18 (46)
Net weight— lbs. (kg)	46 (21)	65 (30)	92 (42)	100 (45)**	74 (34)
Shipping weight— lbs. (kg)	50 (23)	69 (31)	101 (46)	109 (49)	82 (37)
Input connection <i>Other plugs and sockets available upon request.</i>	5-15P/male IEC 320 (ON600, ON900 and ON1300)		5-20P/IEC 320/C20 (ON2000)		N/A
	<i>60Hz units incl. 6 ft., detached input cord. 50Hz units incl. IEC 320 M/F detachable cord(s).</i>				
Output sockets: NEMA 5-15R for 60 Hz (IEC320 for 50 Hz)	6 (4)	6 (4)	8 (8)	8 (8)	N/A

* Battery Pack for ON2000 only.

** UPS and internal battery shipped separately — 40 lbs (32 kg) for UPS and 60 lbs (27 kg) for internal battery pack.

*** Runtime depends upon load and number of external battery packs.

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ONEAC is a UL/BSI registered corporation — Certification No. A2900

