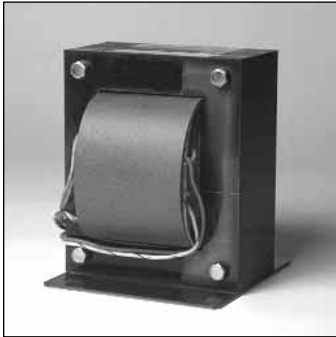


**ON SERIES® EXTENDED RUNTIME UPS:** For some, conventional UPSs are “good enough.” But many find ordinary protection measures inadequate. Others face performance expectations with no tolerance for downtime. ON Series Power Conditioned UPSs are engineered to satisfy these demanding applications.



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.

#### **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 UPS's 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.



- **Extended runtime:** for applications requiring up to 8 hours of battery backup time
- **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 management
- **On-site, on-line replaceable battery:** minimizes cost and downtime
- **Automatic self test:** ensures battery and system readiness
- **5-year warranty:** the longest in the industry

# ON SERIES EXTENDED RUNTIME 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, 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.

## Performance Characteristics

**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 10 V Normal mode (L-N), less than 0.5 V Common mode (N-G) when subjected to 6 kV 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	ON 600	ON 900	ON 2000	ON 2200	Battery Cabinet
Part Number				ON2200XA-SNK	ONXBC-417
Maximum capacity (volt-amps/watts)				2200/1500	n/a
Batteries				n/a	four 12V, 17AH
Input and output voltage on line				60 Hz: 208 and 230/115 VAC 60 Hz: 220 and 220/110 VAC 60 Hz: 240 and 240/120 VAC	
Output voltage on battery				60 Hz: 230/115 VAC	n/a
Runtime (hr.:min.) (half load/full load)				0:34/0:13	*
Maximum dimensions (H) - in. (cm)				12" (30)	7.5" (19)
Maximum dimensions (W) - in. (cm)				8.5" (22)	8.5" (22)
Maximum dimensions (D) - in. (cm)				21" (53)	18.5" (47)
Net weight— lbs. (kg)				77 (35)	70 (32)
Shipping weight— lbs. (kg)				82 (37)	74 (34)
Input connector <i>Other plugs and sockets available upon request.</i>				L6-30P	n/a
Output sockets: NEMA 5-15R for 120 V				(2) L6-30R (4) 5-20R	n/a

\* Additional runtime will depend on number of battery packs and load.

ONEAC, ONBoost, ON Series, MopUPS and Virtual Kelvin Ground are registered trademarks of ONEAC Corporation. All other trademarks are the property of their respective companies.

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



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