

**ON SERIES® e UPS (200 - 600 VA):** 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.

#### **Ultimate assurance of system reliability**

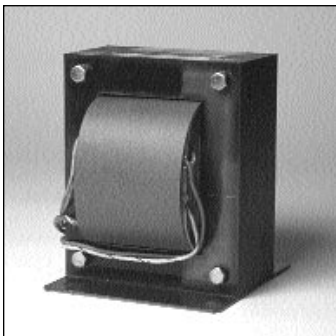
All UPS makers acknowledge the broad range of power disturbances that compromise system reliability. And all address them to some degree. But here's the difference—ONEAC's proprietary power conditioning technology eliminates power problems entirely. Providing a level of protection that even the highest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

#### **Exceptionally dependable battery backup**

We start with premium quality batteries. Thermally isolate them for maximum life. We employ a 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. And our user replaceable battery pack allows rapid replacement without downtime, and without risk.

#### **Proven durability, backed by a 5-year warranty**

The robust design of an ONEAC UPS is impervious to the harshest electrical environments. Designed and manufactured under ISO 9001 quality procedures, ON Series e 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.



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

- **Full-time, on-line isolating transformer:** eliminates all power contaminants
- **ONBoost®:** compensates for line sags and brown-outs, conserves batteries
- **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

# ON SERIES e 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 incorporates power conditioning magnetics and voltage conversion magnetics in a single compact unit. Providing 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 (Optional)

**Basic mode communications** provides standard signals recognized by ONEAC MopUPS® or UPS monitoring software supplied with Windows NT, NetWare and Banyan operating systems. Basic mode provides power fail and low battery signals for unattended system shutdown. The ability to receive inverter-off commands saves remaining battery charge.

## Global Approvals

120 VAC models are FCC Class A certified and listed under UL 1778 and CSA22.2 safety standards. 230 VAC models bear the CE mark and are tested under the following standards: EN50091, EN60950, EN50081-1, EN55022 (CISPR 22), EN50082-1, EC801-2, IEC801-3 and IEC801-4.

## Performance Characteristics

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

**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 0.5V 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):** 4/6 milliseconds

**On battery output voltage:** Pseudo sine wave

**ONBoost:** Boosts output voltage 10% 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, user replaceable

**Recharge time to 60% available capacity:** 6-10 hours

*All units provide thermal isolation for battery pack.*

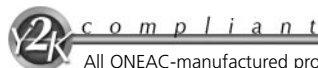
MODELS*	ONe200D <sup>c</sup>	ONe300D <sup>c</sup>	ONe400D	ONe600X	External Battery Pack**
Maximum capacity (volt-amps, watts)	200, 135	300, 200	400, 270	600, 400	NA
Batteries	two at 6 V, 10 AH	two at 12 V, 7 AH	two at 12 V, 7 AH	two at 12 V, 7 AH	two at 12 V, 17 AH
Typical runtime by system load:	<i>Due to application specific conditions, your actual run time may be different.</i>				
@ half load	37 min.	39 min.	35 min.	27 min.	† †
@ full load	16 min.	15 min.	20 min.	5 min.	
Basic mode communications	optional	optional	optional	standard	NA
Maximum dimensions - H - in. (cm)	7.4 (19)	7.4 (19)	7.75 (20)	7.75 (20)	3.75 (10)
Maximum dimensions - W - in. (cm)	6.0 (15.2)	6.0 (15.2)	7.0 (18)	7.0 (18)	7.0 (18)
Maximum dimensions - D - in. (cm)	15.0 (38.1)	15.0 (38.1)	16 (41)	16 (41)	17 (43)
Net weight — lbs. (kg)	34 (15)	34 (15)	48 (22)	49 (22)	35 (16)
Shipping weight — lbs. (kg)	38 (17)	38 (19)	52 (24)	53 (24)	38 (17)
Input connector	60Hz units include 6 ft., attached input cord, 5-15P. 50/60Hz units include IEC 320 M/F detachable cord(s).				
Output sockets:					
NEMA 5-15R for 60Hz (IEC 320 female for 50/60 Hz)	4 (4)	4 (4)	4 (4)	4 (4)	NA

\* Standard and wallmount models are available.

\*\* Battery Pack available for the ONe600X UPS only.

† Also available with single battery.

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



All ONEAC-manufactured products are Y2K compliant.

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