

**ON SERIES® e Wallmount 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.

#### 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. And our user replaceable 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-failure rate that's 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.



- **Extended runtime:** provides up to 8 hours of battery backup time.
- **Wall mountable:** for applications with space constraints.
- **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 Wallmount 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 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)

ONEAC interface options adds Basic mode communications capability to an ON Series e UPS.

**Basic mode** 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. It also receives inverter-off command to save remaining battery charge.

### Global Approvals

Models for North America are FCC Class A certified and listed under UL 1778 and CSA22.2 safety standards.

### Performance Characteristics

**Nominal input voltage:** 120 VAC, 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 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):** 4/6 milliseconds

**On-battery output voltage:** Pseudo sine wave 110 VAC, 60 Hz

**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 life-time. Hotswap replaceable.

**Recharge time to 60% available capacity:** 6-10 hours internal batteries, 20 hours additional per external battery cabinet.

MODELS*	ONE200XA-WX	ONE300XA-WLX	ONEXBC
Part number - with communications without communications	ONE200XA-W-SB ONE200XA-W-SV	ONE300XA-W-SB ONE300XA-W-SV	ONEXBC-W-217 ONEXBC-W-217
Maximum capacity (volt-amps, watts)	200,135	300,200	N/A
Batteries	two at 12V, 7AH	two at 12V, 7AH	two at 12V, 17AH
Maximum dimensions — ins. (H)	14.4	14.4	7.8
Maximum dimensions — ins. (W)	8.9	8.9	9.0
Maximum dimensions — ins. (D)	6.6	6.6	6.8
Net weight — lbs.	40	42	37
Shipping weight — lbs.	42	44	39
Input connector	5-15P attached cord	5-15P attached cord	N/A
Output sockets: NEMA 5-15R for 60Hz	2	2	N/A

  

# BATTERY CABINETS	Internal	1	2	3	4	5	6
VA LOAD	RUNTIME (HOURS:MINUTES)						
75	1:32	6:32	12:25	—	—	—	—
100	1:09	5:10	9:55	—	—	—	—
150	0:40	3:33	6:49	10:19	—	—	—
200	0:30	2:35	4:53	7:37	9:49	—	—
250	0:20	1:55	3:32	5:40	7:22	8:44	—
300	0:15	1:26	2:30	4:10	5:28	6:16	7:29

\*General specifications for available models. Special part numbers will vary depending on options.

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A CHLORIDE POWER PROTECTION COMPANY



All ONEAC-manufactured products are Y2K compliant.

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



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