

# Maximize C-Stores Reliability

Power Protection for C-Store Systems

Retail

In the store and at  
the pumps . . .



ONEAC means clean  
power for c-store and  
petroleum systems.

ONEAC protection effectively  
prevents lightning and other  
electrical disturbances from  
affecting performance of  
critical electronic systems.



**Your system is constantly under attack.** Power and telephone lines conduct more than the signals and power that make your system work. They also carry electrical disturbances that can shut your system down. The occasional lightning strike is an obvious example.

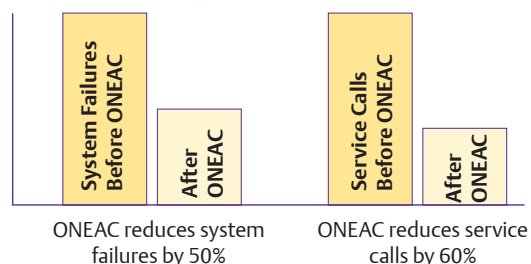
Everyday high-frequency interference, while less dramatic, can be equally devastating. Caused by utility grid switching as well as elevators, HVAC units, copiers and other equipment on building power lines, these constant power line disturbances can cause momentary service disruptions and component failure.

Any interruption in information system performance can result in lost sales or lost transaction data. An ONEAC Total Protection Solution prevents these problems from occurring, while popular office-grade products do not.

## ONEAC cuts problems in half.

Those who switch from conventional power protection to ONEAC report less system downtime, fewer interruptions and longer equipment life. That's why c-stores like Murphy USA and leading system providers depend on ONEAC to keep their operations running smoothly.

*Field data from over 20,000 installations*



**ONEAC**

## Simplifies site preparation.

An ONEAC Total Protection Solution costs far less than installing a dedicated I/G circuit. Despite their lower cost, dedicated circuits can't stop disturbances generated by equipment within the building from entering critical systems. ONEAC offers far better protection—eliminating all power disturbances. ONEAC also offers complete flexibility to accommodate changes in equipment, floor plan or even store location. ONEAC UPSs, power conditioners, and communication line protectors all offer plug-and-play simplicity.

  
**EMERSON**  
Network Power

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The products listed below are a sampling of the many power and communication line protection solutions that ONEAC offers to maximize the reliability of your c-store system.

The UPS and Power Conditioner specifications are for standard 60 Hz models. Additional products and options are also available. Contact your ONEAC sales representative for the right Total Protection Solution to fit your specific application.

AC Power Protection	ONePlus™ UPS	ON Series® UPS	ConditionOne®
Part Number	ONE254AG-SE	ON700XAU-SN	PC240A-S4S
Input/Output Voltage	120	120	120
Maximum Capacity (volt-amps, watts)	250/167	700/490	240
Batteries	four 12V, 17AH	four 12V, 5AH	NA
Typical Runtime (half load/full load)* min.	22/8	32/14	NA
Communications	Advanced	Basic and Advanced	NA
Maximum Height - in. (cm)	7.1 (18)	3.5 (9)	4.79" (12.2)
Maximum Width - in. (cm)	5.5 (14)	17.25 (44)	4.11" (10.4)
Maximum Depth - in. (cm)	14.3 (36.2)	19.5 (50)	7.42" (18.8)
Net Weight— lbs.(kg)	26 (11.9)	55 (25)	7 (3)
Shipping Weight— lbs. (kg)	28 (12.7)	65 (30)	11 (5)
Input Connector	5-15P (attached cord)	6' NEMA 5-15P (detached cord)	6' NEMA 5-15P (attached cord)
Output Sockets - NEMA for 120 V	(4) 5-15R	(8) 5-20R (T**)	(2 or 4) 5-15R

\* Due to application specific conditions, your actual runtime may be different. For the ON Series UPS, additional runtime can be achieved by adding batteries.

\*\* "T-slot" output connector will accept either 5-15P or 5-20P plugs.

Communication Line Protection	RJ Protector**
Impulse Voltage Performance with 10/1000µS, 1500V, 100A	100 V
DC Breakdown Voltage	
Line to line (typical/range)	640 V/540-740 V
Line to earth (typical/range)	320 V/270-370 V
Rated Impulse Discharge with 10/1000µS	100 A
Response Time	<1 ns
DC Holdover @ 25° C, 20 ms max	150 mA
On State Voltage with 1 Amp RMS	<5V
Capacitance @ 50VDC, 5VAC, 1KHz	<200 pf
Insulation Resistance	>100 MΩ
Fused (Fails Open)	Yes
Service Life with 10/1000µS @ +/- 100 Amps	Unlimited
Resettable Overcurrent Protection (Sneak Current) @ 25° C	300 mA (resettable)
UL Listings	497, 497 A
Storage Temperature	-40°C to 85°C
Operating Temperature	-40°C to 65°C

\*\*Specifications shown are for analog line protection. Digital line protection is also available.

## ONEAC Total Protection Solution



Power Conditioned UPS



Power Conditioner



Communication Line Protectors



Connectivity Solutions

ONEAC's Total Protection Solutions protect all paths by which electrical disturbances can enter a system.

Providing protection for communication lines (analog, digital or high-speed data) and AC power protection, with or without battery backup, ONEAC Total Protection assures increased system reliability with far fewer interruptions or outages.