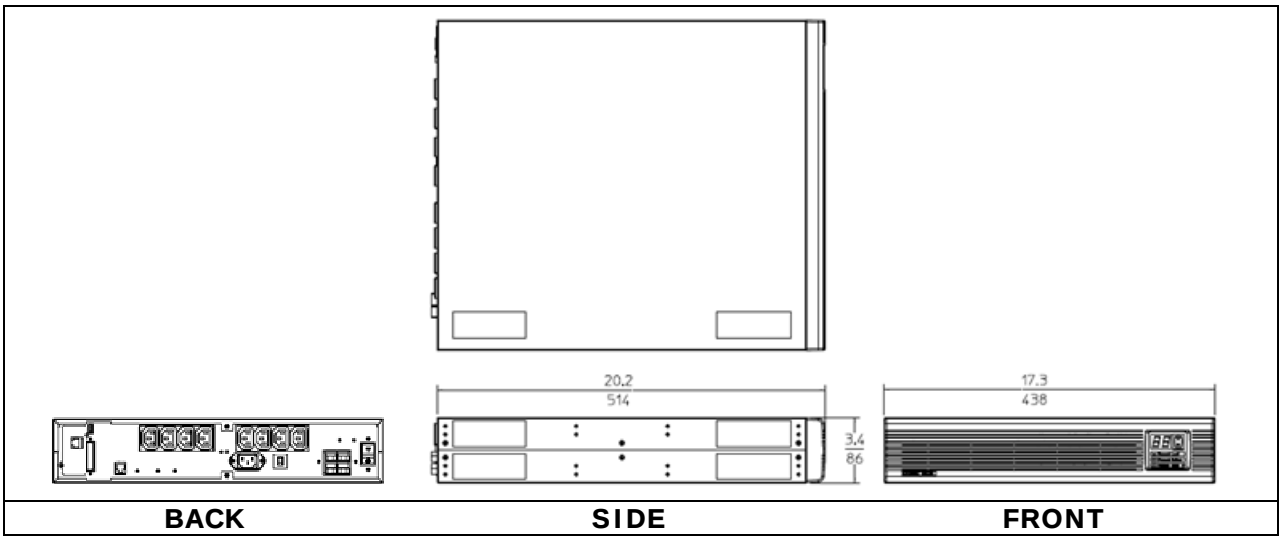
ON Series Single Phase UPS's



	Model	ON700	ON1000	ON1500
	Part Number	ON700XIU-SN	ON1000XIU-SN	ON1500XIU-SN
	Topology	Line Interactive, Power Conditioned		
INPUT	Voltage (VAC)	230 V		
	Voltage Range (VAC)	172 to 268 V ± 5% (on line mode) (User Adjustable)		
	Frequency (Hz)	50 / 60 ± 5%		
	Input Connection	IEC 320-C14 Inlet		
OUTPUT	Capacity	700 VA / 490 W	1000 VA / 700 W	1440 VA / 1000 W
	Voltage (VAC)	230 V (on battery mode)		
	Waveform	Sinewave		
	Rated Power Factor	0.7		
	Crest Factor	3:1		
	Frequency (Hz)	50 / 60 ± 1% (on-battery)		
	Output Connection	8 x IEC320-C13 Output Receptacles (2 X 6 ft IEC 320 to IEC 320 extension cords supplied)		
BATTERY	Voltage (VDC)	24.0 nominal		48.0 nominal
	Battery type	12V, 5AH Sealed Lead-Acid		
	Quantity	4 (2 strings of 2)		4 (1 string of 4)
	Recharge Time	4 hours per battery cabinet to 60%		
ENVIRONMENT	Temperature (°C)	0 to 40, operating -15 to 45, transit		
	Altitude	0 - 10,000 ft, operating 0 – 50,000 ft, transit		
	Humidity	10.0% to 90.0%, non condensing		
	Cooling	Forced Air Convection		
AGENCIES	EMC	FCC Part 15J Class B		
	Safety Agencies	UL1778 cUL to CSA22.2 No.107.1 TUV to 62040-1		
	RoHS	All units are RoHS compliant		
OTHER	Communication	RS232, Simulated Contacts, Basic Hi/Lo Signals		
	Communications interface	25 Pin male sub D type connector		
	Accessory card slot	Fits Optional ManageUPS®NET SNMP/WEB/Telnet interface card		
	Transfer time	3 mS (typical)		
	Net Weight lbs (kg)	55 (25)	55 (25)	61 (28)
	Shipping Weight lbs (kg)	65 (30)	65 (30)	71 (32)

NOISE REJECTION-ISOLATION: With unit under power and an ANSI/IEEE C62.41Cat. A ringwave applied either normal or common mode at the input, the noise output voltage will be less than 10V normal mode and less than 0.5V common mode in all four quadrants (CM-NM, NM-NM, CM-CM, NM-CM).
SURGE VOLTAGE WITHSTAND CAPABILITY: Tested under power to ANSI/IEEE C62.41 Cat. A & B (formerly IEEE587-1980). Cat. A - 6000V @ 200 amps, 0.5 usec risetime, 100 kHZ decay, Cat. B - 6000V @ 500 amps, 0.5 usec risetime, 100 kHZ decay

ON700 – ON1500 Typical run times with internal batteries only

Percent Capacity	TYPICAL RUN-TIMES (Hrs:MINs)		
	ON700	ON1000	ON1500
10	2:42	2:00	1:27
20	1:27	1:00	0:40
30	0:57	0:38	0:25
40	0:41	0:27	0:17
50	0:32	0:21	0:13
60	0:26	0:17	0:10
70	0:21	0:14	0:09
80	0:18	0:12	0:07
90	0:16	0:10	0:06
100	0:14	0:09	0:05

Note: Run-Times are based on new fully charged batteries at 25 deg C ambient.

ON700XIU – ON1500XIU Compatible External (Extended Run) Battery Cabinet:
Model: ONXBCU-417 Description: Extended Run Battery Cabinet (4 batteries)

ON700XIU Typical run times with external battery cabinets

Percent Capacity	**Number of Battery Cabinets**							
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
Runtimes are expressed in hours:minutes Typical runtimes based on fully charged, new batteries, operating under typical load conditions Times estimated assuming a switch mode power supply Runtimes are affected by battery age, ambient temperature, site specific usage patterns and load conditions								
10	14:44	30:13	47:58	67:30	88:31	110:50	134:17	158:47
20	7:52	16:07	25:36	36:01	47:14	59:09	71:40	84:44
30	5:09	10:33	16:45	23:35	30:55	38:43	46:55	55:28
40	3:44	7:40	12:10	17:07	22:27	28:06	34:03	40:16
50	2:53	5:55	9:24	13:14	17:21	21:44	26:20	31:08
60	2:20	4:47	7:35	10:40	14:00	17:31	21:14	25:06
70	1:56	3:58	6:18	8:52	11:38	14:34	17:38	20:52
80	1:39	3:23	5:21	7:32	9:53	12:23	15:00	17:44
90	1:26	2:55	4:38	6:32	8:33	10:43	12:59	15:21
100	1:15	2:34	4:04	5:44	7:31	9:24	11:24	13:29

ON1000XIU Typical run times with external battery cabinets

Percent Capacity	**Number of Battery Cabinets**							
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**
Runtimes are expressed in hours:minutes Typical runtimes based on fully charged, new batteries, operating under typical load conditions Times estimated assuming a switch mode power supply Runtimes are affected by battery age, ambient temperature, site specific usage patterns and load conditions								
10	10:51	22:14	35:19	49:42	65:10	81:36	98:52	116:54
20	5:26	11:08	17:40	24:51	32:36	40:49	49:27	58:28
30	3:27	7:05	11:15	15:49	20:45	25:59	31:29	37:13
40	2:26	5:04	8:02	11:18	14:50	18:34	22:30	26:36
50	1:53	3:52	6:09	8:39	11:21	14:13	17:13	20:21
60	1:31	3:06	4:56	6:66	9:05	11:23	13:47	16:18
70	1:16	2:34	4:04	5:44	7:31	9:24	11:24	13:29
80	1:04	2:10	3:27	4:51	6:22	7:68	9:39	11:25
90	0:55	1:52	2:59	4:11	5:29	6:52	8:20	9:51
100	0:48	1:38	2:35	3:40	4:48	6:01	7:18	8:37

ON1500XIU Typical run times with external battery cabinets

Percent Capacity	Number of Battery Cabinets							
	1	2	3	4	5	6	7	8
Runtimes are expressed in hours:minutes Typical runtimes based on fully charged, new batteries, operating under typical load conditions Times estimated assuming a switch mode power supply Runtimes are affected by battery age, ambient temperature, site specific usage patterns and load conditions								
10	8:31	17:39	28:10	39:45	52:14	65:27	79:22	93:54
20	3:56	8:09	13:00	18:21	24:06	30:13	36:38	43:21
30	2:25	5:01	8:01	11:19	14:51	18:37	22:35	26:43
40	1:42	3:32	5:38	7:57	10:26	13:05	15:51	18:46
50	1:17	2:40	4:16	6:01	7:54	9:54	12:00	14:12
60	1:01	2:07	3:23	4:47	6:17	7:52	9:32	11:17
70	0:51	1:45	2:47	3:56	5:10	6:28	7:51	9:17
80	0:43	1:28	2:21	3:19	4:21	5:27	6:37	7:50
90	0:37	1:16	2:01	2:51	3:45	4:42	5:41	6:44
100	0:31	1:04	1:42	2:24	3:09	3:57	4:48	5:40

Battery Life Disclaimer: POWERVAR's standard battery warranty applies only to UPS and UPM products which are continuously connected to AC mains power, except during utility power outages. Products which are regularly and intentionally disconnected from AC mains power will experience battery discharge/charge cycles potentially far more numerous than those for which the battery was designed. As a result, products used in such applications will experience substantially reduced battery life. For that reason, POWERVAR's standard battery warranty does not apply for applications in which the UPS or UPM product is regularly and intentionally disconnected from AC mains power. POWERVAR UPS and UPM products used in such applications shall receive a 90 day warranty on batteries.

Warranty/Support: POWERVAR warrants the electronics and transformers used in its uninterruptible power supplies to be free from defects in materials and workmanship for a period of five years from the date of shipment. Batteries are warranted for a period of two years from the date of shipment for standby use; 90 days for cyclic use. For North American service or support on any POWERVAR product, please contact POWERVAR Technical Support at (800) 369-7179 (in Illinois call (847-596-7000). For service and support in EMEA, contact POWERVAR, Ltd. in the United Kingdom at +44 (0) 1793 553980. Or visit the POWERVAR website at **www.powervar.com**.

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