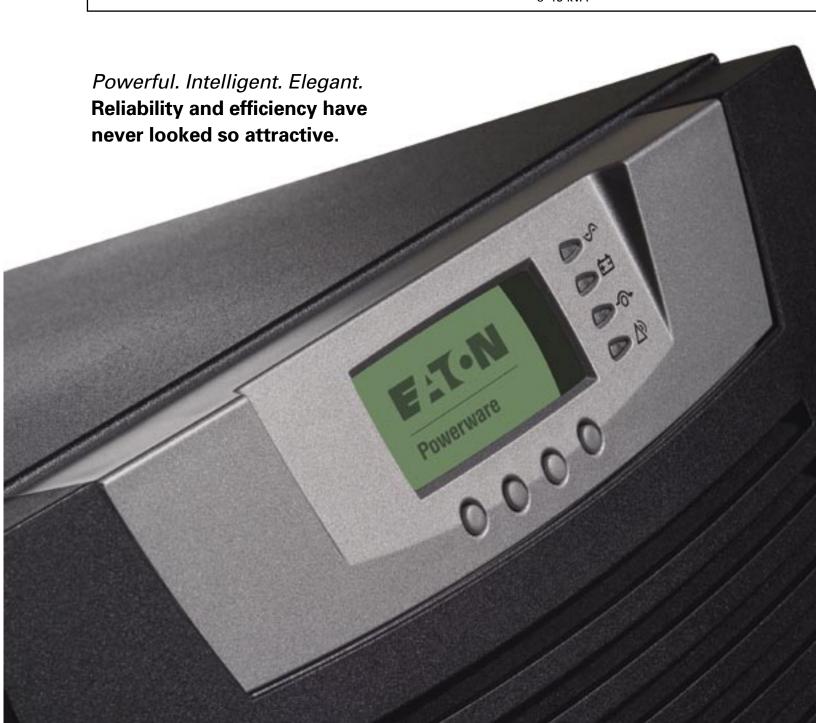
FAT•N Powerware

Powerware 9155 Single-phase UPS Powerware 9355 Three-phase UPS

Product Focus 8–15 kVA



Product Introduction



Features

- Protects connected equipment from all nine of the most common power problems with true online, double-conversion topology
- Delivers maximum power density in a compact tower design, only 12" wide and 33" deep, including batteries
- Provides more real wattage in less space with a 0.9 power factor—protecting more equipment for every utility dollar, and leaving more room for expansion
- Delivers extra capacity or redundancy through patented Powerware Hot Sync® paralleling of multiple modules
- Significantly increases battery life through microprocessorcontrolled ABM® technology
- Provides 0.99 power factor and generator friendly <5% total harmonic distortion using an active IGBT rectifier to control the input power factor
- Ensures data and system integrity with complete power management software for remote monitoring, management, and shutdown
- Provides investment protection and peace of mind with an Eaton factory limited warranty, technical support, and optional service plans

Product Snapshot

Technology: 9155: Split-phase double-conversion

online UPS

9355: Three-phase double-conversion

online UPS

Power Rating: 9155: 8 kVA, 10 kVA, 12 kVA, 15 kVA

at 0.9 power factor

9355: 10 kVA and 15 kVA

at 0.9 power factor

Input Voltage: 9155: 200–240 Vac with Neutral or with

optional input isolation transformer

9355: 208V/120V or 220V/127V

Output Voltage: 9155: 100/200, 110/220, 120/240 Vac

180° phase displacement; 120/208, 127/220 Vac 120° phase displacement

9355: 208V/120V or 220V/127V

480:120V/208V or 600:120/208 with

input isolation transformer

(at 60 Hz only)

Frequency: 50/60 Hz auto-sensing

Dimensions: Two-high configuration:

32.2" H x 12.0" W x 32" D Three-high configuration: 47.8" H x 12.0" W x 33.5" D

Configuration: Small-footprint tower, black

Battery Backup: 9155: Up to 29 minutes typical, extendable

up to four hours

9355: Up to 22 minutes typical, extendable

up to three hours

See Battery Back-up Times chart

With advances in miniaturization and processing power, a single rack of equipment demands more power than ever—and more equipment will be served by dual cord power supplies. It's a challenge to provide power protection for expanding loads in shrinking spaces.

Fortunately, technology advancements have also raised the density per square foot of power protection systems. The Powerware 9155 and new Powerware 9355 uninterruptible power systems (UPSs) deliver premium levels of efficiency, reliability and flexibility—all in a sleek tower half the size of most competitor units on the market today.

These double-conversion, online UPSs resolve all nine common utility power problems and supply clean, continuous power to all connected equipment. Even when presented with the most severe power problems, power output remains stable. And if the utility power goes out altogether, there is no delay transferring to backup power.

These capabilities make the Powerware 9155 and Powerware 9355 ideal for protecting essential data center, communications and electrical engineering infrastructures in corporate, telecom, healthcare, banking, public sector and industrial applications.





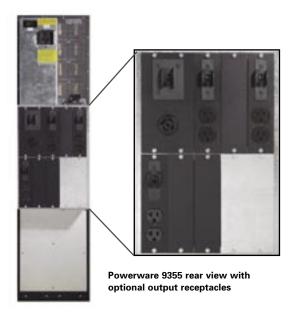
Premium power protection is now easier than ever.

With raised-floor real estate at a premium, you will appreciate that these UPSs are only 12" wide and 33" deep, including internal batteries. With such a small footprint, you have more location options, and more space is available for future expansion.

Equipment installation is easy, essentially plug-and-play. You can order either UPS with your choice of output receptacles with more than 17 types. To change or move data center equipment, you simply unplug from the old receptacle, plug into a new one, and go. No need for an electrician to run new conduit and wiring.

Scalable architecture meets current and future load requirements.

Powerware 9155 UPSs are available in four models (8, 10, 12, and 15 kVA). Powerware 9355 UPSs come in 10 and 15 kVA models, so you can choose the configuration that most closely meets your capacity requirements and price point.



And you can scale from there. Using our signature Powerware Hot Sync paralleling technology, up to three (Powerware 9155) or up to four (Powerware 9355) equivalent UPS modules can be paralleled for extra capacity or redundancy. A 15 kVA UPS, for example, can grow to support loads of up to 45 kVA. There's no dependence on communications wiring among those UPS modules.

Battery innovations optimize battery performance and service life.

Standard internal batteries provide power until auxiliary power takes over or systems are gracefully shut down. Battery runtime can be extended to hours by adding matching Extended Battery Modules (EBMs).

POWERWARE UPS BACKUP TIMES (IN MINUTES)

		UPS	(1)	(2)	(3)	(4)	UPS	(1)	(2)	(3)
VA	Watt	+ Internal 32 Battery	EBM 64	EBM 64	EBM 64	EBM 64	+ Internal 64 Battery	EBM 96	EBM 96	EBM 96
15000	13500	4.6	23.0	43.0	65.1	88.6	13.3	43.0	76.7	113
14500	13050	4.9	24.1	45.2	68.3	93.0	14.1	45.2	80.5	119
14000	12600	5.2	25.2	47.3	71.5	97.4	14.9	47.3	84.2	125
13500	12150	5.5	26.4	49.4	74.7	102	15.8	49.4	88.1	130
13000	11700	5.8	27.6	51.6	78.1	106	16.7	51.6	92.0	136
12500	11250	6.1	28.8	54.0	81.6	111	17.6	54.0	96.2	142
12000	10800	6.5	30.2	56.5	85.5	116	18.6	56.5	101	149
11500	10350	6.9	31.6	59.3	89.7	122	19.2	59.3	106	156
11000	9900	7.3	33.3	62.4	94.4	129	20.2	62.4	111	164
10500	9450	7.8	35.1	65.9	99.6	136	21.4	65.9	117	174
10000	9000	8.4	37.2	69.8	106	144	22.6	69.8	124	184
9500	8550	9.1	39.6	74.2	112	153	24.1	74.2	132	196
9000	8100	9.9	42.3	79.4	120	163	25.7	79.4	141	209
8500	7650	10.8	45.5	85.2	129	175	27.6	85.2	152	225
8000	7200	11.9	49.1	91.9	139	189	29.8	91.9	164	242
7500	6750	13.1	53.2	99.7	151	205	32.3	99.7	178	263
7000	6300	14.6	58.0	109	164	224	35.2	109	194	286
6500	5850	16.3	63.5	119	180	245	38.6	119	212	314
6000	5400	18.4	70.0	131	198	270	42.5	131	234	346
5500	4950	20.1	77.6	145	220	300	47.2	145	259	383
5000	4500	22.4	86.6	162	245	334	52.6	162	289	428
4500	4050	25.2	97.4	182	276	376	59.2	182	325	-
4000	3600	28.6	110	207	313	426	67.1	207	369	-
3500	3150	32.8	127	238	359	-	77.0	238	423	-
3000	2700	38.3	148	277	418	-	89.7	277	-	-
2500	2250	45.6	176	329	-	-	107	329	-	-

Note: Backup times are approximate and may vary with equipment, configuration, battery age, temperature, etc.



Powerware 9155/Powerware 9355 EBM

After 15 years of in-service experience, Eaton has real-world proof that ABM technology can significantly increase battery service life.

Powerware 9155 and Powerware 9355 UPSs also use sophisticated technologies that maximize the health and service life of batteries:

- ABM technology uses a unique three-stage charging technique that significantly extends battery service life and optimizes recharge time, compared to traditional trickle charging.
- Temperature-compensated charging monitors battery temperature and adjusts the charge rate accordingly, which properly charges the battery and greatly extends battery life.
- An integrated battery management system tests and monitors battery health and remaining lifetime, and provides advance notification to guide preventive maintenance.

Unlike heavy, old-style batteries, Eaton's are easily field-replaceable. One person, working alone, can replace a battery without disrupting data center operations or power to protected equipment.

Advanced design delivers unequaled power performance.

The innovative design of these UPSs deliver the industry's best performance combination of efficiency, input current distortion, input power factor, and output power factor.

Lower costs, lower temperatures. High efficiency (greater than 90 percent across all load ranges) reduces utility costs, extends battery runtimes, and produces cooler operating conditions.

Generator-friendly design. Total input harmonic distortion (THD) remains below five percent without compromising overall efficiency. The result is maximum transfer of power between source and protected load, and exceptional compatibility with auxiliary generators.

More real power. On the output side, high power factor enables these UPSs to provide their full power capability to modern IT equipment that may have a wide range of leading and lagging power factors. And, with a 0.99 input power factor, these UPSs avoid the disturbances that energy converters tend to cause.

Powerware Hot Sync Redundant/Capacity

Powerware 9155 UPS
Parallel Cabinet

Load

Load

Protect your investment

Rest easy, knowing that your UPS is always on the job.

While it protects your critical systems, the UPS itself is protected in several ways:

Self-diagnosis. The UPS constantly monitors its own operation, such as voltage, temperature or function of internal elements—and sends alarms or takes action if it detects a potential problem. You'll know your UPS is always performing up to specifications to protect your equipment.

Self-correction. If it senses an issue—planned or unplanned—the UPS instantly transfers the power path to a bypass source, with zero interruption in power. When the alarm condition passes, the UPS automatically reverts from bypass to normal operation.

Remote monitoring. You can have Eaton specialists securely monitor your Powerware 9155 and Powerware 9355 UPSs around the clock with eNotify service, or you can monitor your own UPSs over your LAN or the Internet. Either way, you'll always be informed about conditions in your power protection infrastructure.

Redundancy. Using Powerware Hot Sync technology, you can configure up to N+3 redundancy. Any module can serve as backup for any other, with no interruption or downtime. For instance, you could perform full maintenance on any UPS without having to remove any loads from conditioned power.

Most other paralleling systems on the market use a top-down configuration; if the master fails, the subsidiary units fail. With Eaton's patented approach, each UPS module is independent yet synchronized with the others. There is no single point of failure.

Have central control and visibility of UPS systems.

The Powerware 9155 and Powerware 9355 are shipped with a CD that includes Powerware LanSafe™ power management software and a 30-day trial version of Powerware PowerVision® UPS performance analysis and monitoring software. Using an intuitive, graphical interface and SNMP (Simple Network Management Protocol), administrators can:



Powerware Software Suite

- Securely monitor UPS and battery performance over your existing Ethernet network and the Internet.
- Establish prioritized shutdown of network devices and client/server applications.
- Test all networked UPS systems from one node.
- Analyze trends and network conditions.
- Stay informed of potential power problems by pager and e-mail.

Connectivity options offer maximum flexibility.

The standard unit is equipped with an RS-232 serial port to communicate with power management software. You can customize your UPS by adding one or two interface cards for other applications:

Monitor the UPS from anywhere. Connect the UPS to the Ethernet network and Internet for secure monitoring and management using a standard Web browser or SNMP.



ConnectUPS™ Web/SNMP Card

Interwork with your existing Building Management System.

A Modbus® Card enables real-time monitoring of UPS systems through a Building Management System or Industrial Automation System.



Modbus Card

Gather information from relay contact devices. Provide a dry-contact interface between the UPS and any relay-connected device, including the IBM® e-server® iSeries and a variety of industrial applications.



Relay Interface Card

Independently manage diverse servers. A Multi-Server card enables up to six serially connected devices of mixed operating systems to be independently managed and controlled by a single UPS.



Multi-Server Card

Monitor environmental conditions. An optional Environmental Monitoring Probe remotely monitors temperature, humidity, and two user-supplied contacts/sensors, such as smoke and intrusion detection.



Environmental Monitoring Probe

Gain peace of mind with industry-leading warranty and service plans.

We are so confident about the performance and reliability of the Powerware 9155 and Powerware 9355 UPSs and battery systems that we back them with extensive warranty and service plans.

Warranty coverage. Gain the peace of mind that comes with factory warranty coverage (parts and labor, UPS and batteries) and rapid response from certified support engineers.

Powerware 9155

- · 2 year limited factory warranty
- 10 year pro-rated warranty
- \$250,000 load protection guarantee

Powerware 9355

- 1 year Service Protection Plan
- 7 x 24 emergency response
- On-site start-up support (8 hours/day, 5 days/week)
- · 3 year battery warranty
- · 1 year eNotify remote monitoring

Service plans. Beyond the warranty period, service plans are available to match any need—from basic UPS and/or battery support to

all-inclusive packages with unique features, such as advanced remote monitoring with trending, customized capacity planning reports, and power protection audits. Add your choice of guaranteed response times, and you can tailor just the right support package for your needs.

From Eaton—a global leader in power quality solutions.

The culmination of 40 years of R&D excellence, the Powerware 9155 and Powerware 9355 UPSs deliver confidence, and ensure that your organization's critical electronics are protected by the most reliable, efficient, and full-featured protection available.

Eaton is a global leader in power quality and management solutions—the #1 manufacturer of UPSs above 5000 VA (Frost & Sullivan: World UPS Markets, 2004). Eaton's Power Quality Solutions Operation is headquartered in Raleigh, North Carolina, U.S.

For more information on the Powerware 9155 and the new Powerware 9355 UPS:

www.powerware.com 1-800-356-5794

Powerware 9155 and Powerware 9355 at-a-glance

MODEL SELECTION TABLE - POWERWARE 9155 UPS (8-15 kVA)

Order Number¹	Description	Power Rating² (kVA/W)	Input & Output Connection ⁴	Output Receptacles	Dimensions H x W x D (in)	Unit Weight³ (lb)
K408110000	PW9155 Model 8 - 32 Battery (2-high)	8kVA / 7.2kW	Hardwired	See PDM chart	32.2 x 12.0 x 32.0	352
K408120000	PW9155 Model 8 - 64 Battery (3-high)	8kVA / 7.2kW	Hardwired	See PDM chart	47.8 x 12.0 x 32.0	590
K408130000	PW9155 Model 8 - 32 Battery with Transformer (3-high)	8kVA / 7.2kW	Hardwired	See PDM chart	47.8 x 12.0 x 32.0	558
K410110000	PW9155 Model 10 - 32 Battery (2- high)	10kVA / 9kW	Hardwired	See PDM chart	32.2 x 12.0 x 32.0	352
K410120000	PW9155 Model 10 - 64 Battery (3- high)	10kVA / 9kW	Hardwired	See PDM chart	47.8 x 12.0 x 32.0	590
K410130000	PW9155 Model 10 - 32 Battery with Transformer (3-high)	10kVA / 9kW	Hardwired	See PDM chart	47.8 x 12.0 x 32.0	558
K412110000	PW9155 Model 12 - 32 Battery (2-high)	12kVA / 10.8kW	Hardwired	See PDM chart	32.2 x 12.0 x 32.0	352
K412120000	PW9155 Model 12 - 64 Battery (3-high)	12kVA / 10.8kW	Hardwired	See PDM chart	47.8 x 12.0 x 32.0	590
K412130000	PW9155 Model 12 - 32 Battery with Transformer (3-high)	12kVA / 10.8kW	Hardwired	See PDM chart	47.8 x 12.0 x 32.0	558
K415110000	PW9155 Model 15 - 32 Battery (2- high)	15kVA / 13.5kW	Hardwired	See PDM chart	32.2 x 12.0 x 32.0	352
K415120000	PW9155 Model 15 - 64 Battery (3- high)	15kVA / 13.5kW	Hardwired	See PDM chart	47.8 x 12.0 x 32.0	590
K415130000	PW9155 Model 15 - 32 Battery with Transformer. (3- high)	15kVA / 13.5kW	Hardwired	See PDM chart	47.8 x 12.0 x 32.0	558

^{1.50/60} Hz auto-sensing. All models can be used for frequency/phase conversion with derated 80% load, please refer to manual for details.

MODEL SELECTION TABLE - POWERWARE 9355 UPS (10-15 kVA)

Order Number¹	Description	Power Rating² (kVA/W)	Input & Output Voltages⁴	Battery Backup⁵	Dimensions H x W x D (in)	Unit Weight³ (lb)
KA1011100000010	PW9355 with 32-Battery (2-high)	10 kVA / 9kW	208/208	8	32.2 x 12.8 x 33.5	373
KA1012100000010	PW9355 with 64-Battery (3-high)	10 kVA / 9kW	208/208	22	47.8 x 12.8 x 33.5	609
KA1011200000010	PW9355 with 32-Battery (2-high)	10 kVA / 9kW	220/220 ²	8	32.2 x 12.8 x 33.5	373
KA1012200000010	PW9355 with 64-Battery (3-high)	10 kVA / 9kW	220/220 ²	22	47.8 x 12.8 x 33.5	609
KA1011400000010	PW9355 with 32-Battery with Transformer (3-high)	10 kVA / 9kW	480/208	8	47.8 x 12.8 x 33.5	577
KA1011600000010	PW9355 with 32-Battery with Transformer (3-high)	10 kVA / 9kW	600/208	8	47.8 x 12.8 x 33.5	57
KA1511100000010	PW9355 with 32-Battery (2-high)	15 kVA / 13.5kW	208/208	4	32.2 x 12.8 x 33.5	373
KA1512100000010	PW9355 with 64-Battery (3-high)	15 kVA / 13.5kW	208/208	13	47.8 x 12.8 x 33.5	609
KA1511200000010	PW9355 with 32-Battery (2-high)	15 kVA / 13.5kW	220/220 ²	4	32.2 x 12.8 x 33.5	373
KA1512200000010	PW9355 with 64-Battery (3-high)	15 kVA / 13.5kW	220/220 ²	13	47.8 x 12.8 x 33.5	609
KA1511400000010	PW9355 with 32-Battery with Transformer (3-high)	15 kVA / 13.5kW	480/208	4	47.8 x 12.8 x 33.5	577
KA1511600000010	PW9355 with 32-Battery with Transformer (3-high)	15 kVA / 13.5kW	600/208	4	47.8 x 12.8 x 33.5	577

^{1. 50/60} Hz auto-sensing

^{2.} Input voltage 200—240V with neutral or with optional input isolation transformer. Output voltages are user-selectable 100/200, 110/220, 120/240 Vac 180° phase displacement, or 120/208, 127/220 Vac 120° phase displacement.

Weight is installed weight, add 47lbs (2-high models) or 50lbs (3-high models) to determine shipping weight.
 An input neutral is required for all configurations unless the input isolation transformer is used.

^{2. 220}V units are wye connected 220/127V input and 220/127V output, 3-phase, 4-wire plus ground.

^{3.} Weight is installed weight, add 47 pounds (for 2-high models) or 50 pounds (for 3-high models) to determine shipping weight.

^{4.} An input neutral is required for all configurations unless the input isolation transformer is used.

Internal battery, full load.

ACCESSORIES

Order Number	Description			Dimensions H x W x D (in)	Unit Weight(lb)	
Powerware Hot Sync						
124100017-001	Powerware 915	5 Parallel Cabinet		24.0 x 20.3 x 2.2	57.3	
103004336	Powerware Hot	Sync CAN Bridge	Card	-	-	
Notes: Up to three Powerware 9155 Powerware Hot Sync CAN Bridge Ca				alleled with the Parallel Cabinet. Each Powe	rware 9155 UPS and Powerware 9355 L	JPS must have a
Extended Battery Module (EBM)					
103004192-5501	Powerware 915	5 and Powerware	9355 EBM 64 (2-high)	32.2 x 12.0 x 30.2	480	
103004193-5501	Powerware 915	5 and Powerware	9355 EBM 96 (3-high)	47.8 x 12.0 x 30.2	710	
Notes: up to four EBM 64 cabinets o	r three EBM 96 cabinets	s can be added to each	UPS for extended runtime.			
Seismic Mounting Kit						
103004194-5501			ed, Performance rating dard Vibration Test	Fits both 2- & 3-high models	136	
Powerware 9155 Maintena	nce Bypass Modu	ıle (MBM)				
103004184-5501	UPS-Mounted,	Maintenance Bypa	ass Module	16.5 x 12.0 x 7.0	15	
BPE14MBB1A	Wall-mounted,	Maintenance Bypa	ss Module	21.0 x 14.0 x 6.75	31	
Powerware 9155 Parallel S	System Start Up					
OSTUP9155P15KCX	-	5 8-10 kVA 2 or 3 U	Init Parallel			
OSTUP9155P10KCX		5 12-15 kVA 2 or 3				
103004626				s Can Bridge Cards, Procedures, ar	nd Parallel User's Guide)	
103004627				s Can Bridge Cards, Procedures, ar		
Connectivity Options			•	·	· · · · · · · · · · · · · · · · · · ·	
Connectivity Options 103002974-5501	Connectine	Mah/SNIMD/SUSE	Card			
		ConnectUPS-X Web/SNMP/xHub Card				
05146288-5501		ConnectUPS-MX SNMP/Modem Card (9155 only)				
103002510-5501		Modbus Card				
05146508-5501		USB Card				
05146447-5501		Multi-Server Card (9155 only)				
1018460		Relay Interface Card (AS/400 Compatible)				
103003055	Industrial Relay					
103003637-5501	Environmental F	Probe (requires Co	nnectUPS Web/SNMP car	rd)		
Spare Parts						
106711155	Powerware 915	5 Spare Parts Kit "A	Α"			
106711169	Powerware 935	5 Spare Parts Kit "/	Α"			
Unavadas						
Upgrades	Daamama 01E	E 0 14/4 to Dame	01FF 10 L\/A			
103004195		5 8 kVA to Powerw				
103004196		5 12 kVA to Power				
103004657	Powerware 935	5 10 kVA to Power	ware 9355 15 KVA			
Power Distribution Module						
Optional Receptacle Panels	Breaker	Voltage	Phase			
(1) L15-30R	30A	208V	3			
(1) L21-20R	20A	208/120V	3			
(1) L21-30R	30A	208/120V	3			
(2) 5-15R	15A	120V	1			
(2) 5-20R	20A	120V	1			
2) 6-15R	15A	208V	2			
(2) 6-20R	20A	208V	2			
2) L5-15R	15A	120V	1			
1) L5-20R1	20A	120V	1			
1) L5-30R1	30A	120V	1			
2) L6-15R	15A	208V	2			
1) L6-20R1	20A	208V	2			
1) L6-30R1	30A	208V	2			
	20A	120/208V	2			
(1) L14-20R1		_		•		
(1) L14-20R¹ (1) L14-30R¹	30A	120/208V	2			
	30A 20A	120/208V 120V	1			
(1) L14-30R1						

Note: Maximum of eight panels per PDM (Powerware 9155). Maximum of four panels per PDM (Powerware 9355).

 $^{1. \} The \ combined \ quantities \ of \ single-locking \ receptacle \ panels \ must \ not \ exceed \ five \ per \ PDM.$

POWERWARE 9355 UPS SERVICE CHART

	Coverage or Response	
Start-up Warranty Upgrades	Time	ltem #
Service Protection Plan Upgrades	4 hr	SP41A
	2 hr	SP21A
Warranty PowerTrust™ Service Plan Upgrade	8 hr	PP81B
upgrade for first year of service only	4 hr	PP41B
	2 hr	PP21B
Start-up Services Upgrade (5x8 to 7x24)	7x24	SU97A
Recertification/Restart	7x24	RC07N

	Unit + Internal		
Service Plan Contracts	Battery	EBM 64	EBM 96

PowerTrust ULTRA™ Service Plan (Premium)

PowerTrust ULTRA™ Service Plan (7x24) parts and labor coverage, annual 7x24 UPS preventative maintenance, battery parts & labor coverage, eNotify remote UPS and battery monitoring - must be connected; 30% discount on upgrades and T&M; includes 1 complete battery update every 6 year period):

8 hr Response	PU81N	PU81N-BA6	PU81N-BA9
4 hr Response	PU81N	PU81N-BA6	PU81N-BA9
2 hr Response	PU21N	PU21N-BA6	PU21N-BA9

PowerTrust™ Service Plan (Premium)

PowerTrust™ Service Plan (7x24 parts and labor coverage, annual 5x8 UPS and battery preventative maintenance, eNotify remote UPS and battery monitoring; 15% discount on upgrades):

8 hr Response	PT82N
4 hr Response	PT42N
2 hr Response	PT22N

PowerTrust™ VALUE Service Plan

PowerTrust™ VALUE Service Plan (5x8 parts and labor coverage, next business day response, annual 5x8 UPS preventative maintenance, eNotify remote UPS and battery monitoring):

PVN3N

3 Year Battery Labor Coverage

Adds labor and freight to 3YR battery parts warranty:

BL87N

Preventative	Unit + Internal Battery	EBM 64	EBM 96
Battery Preventive Maintenance			
Priced per VRLA cabinet:			
5x8 coverage	0006N-BIN	0006N-BAG	0006N-BAG
7x24 coverage	0005-BIN	0005N-BAT	0005N-BAG
UPS Preventive Maintenance			
5x8 coverage	0006N		
7x24 coverage	0005N		

POWERWARE 9155 UPS WARRANTY AND SERVICE CHART

Service Plan Features	Limited Factory Warranty	On-Site Gold Plan	On-Site Gold Plan Plus
Service plan terms available	2 Yr	2, 3, 5 Yr	2, 3, 5 Yr
90 days on-site labor (5x8); two years parts coverage			
On-site startup of UPS and batteries, 7/24			
On-site corrective maintenance, 7x24			
Full coverage of UPS and internal battery module			
7x24 technical telephone support			
Service priority			
Full coverage of extended battery modules			
One 7x24 annual preventive maintenance inspection			
	Service included Optional service		

POWERWARE 9155 UPS (ON-SITE SERVICE IS 24 HOURS A DAY, 7 DAYS A WEEK)

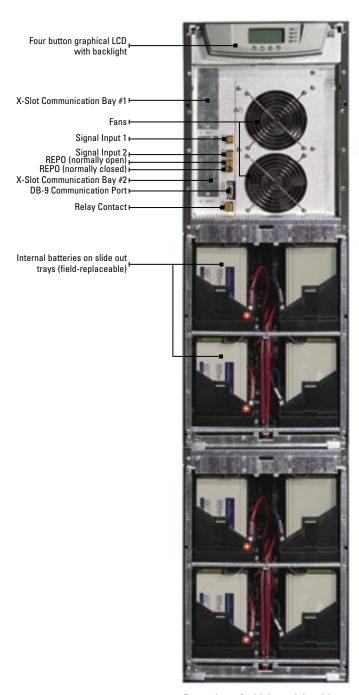
	ON-SITE GOLD Part Number	ON-SITE GOLD PLUS Part Number
Powerware 9155 UPS (8-10 kV	(A)	
2 Yr	20SGX915510KVCX	20SGP915510KVCX
3 Yr	30SGX915510KVCX	30SGP915510KVCX
5 Yr	50SGX915510KVCX	50SGP915510KVCX
Powerware 9155 UPS (12–15 k	VA)	
2 Yr	20SGX915515KVCX	20SGP915515KVCX
3 Yr	30SGX915515KVCX	30SGP915515KVCX
5 Yr	50SGX915515KVCX	50SGP915515KVCX

POWERWARE 9155 UPS EXTENDED BATTERY MODULES (ON-SITE SERVICE IS 24 HOURS A DAY, 7 DAYS A WEEK)

	ON-SITE GOLD Part Number	ON-SITE GOLD PLUS Part Number
Powerware 9155 EBM 64		
2 Yr	20SGX9155EB64CX	20SGP9155EB64CX
3 Yr	30SGX9155EB64CX	30SGP9155EB64CX
5 Yr	50SGX9155EB64CX	50SGP9155EB64CX
Powerware 9155 EBM 96		
2 Yr	20SGX9155EB96CX	20SGP9155EB96CX
3 Yr	30SGX9155EB96CX	30SGP9155EB96CX
5 Yr	50SGX9155EB96CX	50SGP9155EB96CX

POWERWARE 9155 UPS PARALLEL SYSTEM (ON-SITE SERVICE IS 24 HOURS A DAY, 7 DAYS A WEEK)

	ON-SITE GOLD Part Number	ON-SITE GOLD PLUS Part Number		
Powerware 9155 UPS (8-10 kVA) 2 Unit Parallel System				
2 Yr	20SGX915510P2CX	20SGP915510P2CX		
3 Yr	30SGX915510P2CX	30SGP915510P2CX		
5 Yr	50SGX915510P2CX	50SGP915510P2CX		
Powerware 9155 UPS (8	-10 kVA) 3 Unit Parallel System			
2 Yr	20SGX915510P3CX	20SGP915515P3CX		
3 Yr	30SGX915510P3CX	30SGP915515P3CX		
5 Yr	50SGX915510P3CX	50SGP915515P3CX		
Powerware 9155 UPS (12	2-15 kVA) 2 Unit Parallel System			
2 Yr	20SGX915515P2CX	20SGP915515P2CX		
3 Yr	30SGX915515P2CX	30SGP915515P2CX		
5 Yr	50SGX915515P2CX	50SGP915515P2CX		
Powerware 9155 UPS (12	2-15 kVA) 3 Unit Parallel System			
2 Yr	20SGX915515P3CX	20SGP915515P3CX		
3 Yr	30SGX915515P3CX	30SGP915515P3CX		
5 Yr	50SGX915515P3CX	50SGP915515P3CX		



Front view of 3-high module with cover off

TECHNICAL SPE	CIFIC	ATIONS ¹
Ratings (kVA/Watts)		
maings (kvA) vvalis)	9155: 9355:	8, 10, 12 and 15 kVA at 0.9 power factor 10 and 15 kVA at 0.9 power factor
Topology		True double-conversion online UPS
Electrical Input		The double conversion online of o
•		
Nominal Input Voltage	9155:	200V-240V with neutral or with optional
	0100.	input transformer
	9355:	208V/120V or 220V/127V three phase
Input Voltage Range		-15%, +10% from nominal at 100% load without depleting battery
Operating Frequency		50/60 Hz (45 to 65 Hz)
Input Power Factor		P.F >0.99 typical, >0.96 frequency converter
Input Current Distortion	n	5% THD
Electrical Output		
Nominal Output Voltag	ae	
	9155:	100/200, 110/220, 120/240 Vac 180° phase displacement; 120/208, 127/220 Vac 120° phase displacement
	9355:	208/120, 220/127 Vac
Output Voltage Regula	ation	±1% Static; ±5% dynamic at 100% resistive load change, <1 ms response time
Efficiency		
	9155: 9355:	90% typical 91% typical
Battery		
Battery Type		9Ah, sealed, lead-acid, maintenance-free
Battery Runtime		See Battery Runtime Chart
Battery Replacement		Field-replaceable
Charger		Default is 3.4A per battery string. Charger current is configurable from 0.5A to 25A per string with an overall maximum of 34A (limited by input current)
Start-On-Battery		Allows start of UPS without utility input
General		, , , , , , , , , , , , , , , , , , , ,
Diagnostics		Full system self-test at startup
		Automatic on overload or UPS failure
UPS Bypass		
Parallel for Redundancy and Capacity		Yes, using Powerware Hot Sync technology
Dimensions and Weig	hts	See Model Selection Table
Overload		150% for 5 sec / 125% for 1 min (online),
(Normal Operation)		110% for 10 min
Communications		
LCD Display		Graphical LCD with blue backlight
LEDs		(4) LEDs for notice and alarm
Audible Alarms		Yes
Communication Ports		(1) RS-232, (1) relay contact, (1) REPO, (2) environmental input
Communication Slot		(2) X-Slot communication bays
Power Management Software		Bundled Software Suite CD
Environmental		
Operating Temperature		10°C to +40°C, +45°C with 7.5% derating; Batteries recommended max. +25°C
Storage Temperature		-15°C to +25°C
Relative Humidity		0–95%, non condensing
Audible Noise		5 5578, non-condensing
Varinie Maise	9155:	Audible Noise: < 53 dBA at 1 meter
	9355:	(noise less room) typical Audible Noise: < 56 dBA at 1 meter
		(noise less room) typical
Altitude		< 1000m at +40°C, < 3000m at +25°C
Certifications		
Safety Certifications	9155:	NOM-0190SCFI-1993, UL 1778, CSA C22.2, No. 107.3; EN 5502 Class A (CISPR22 Class A) and IEC 60950;
	9355:	IEC 62040-1-1 IEC 62040-1-1, IEC 60950, EN 62040-1-1, UL 1778
EMC Compliance		
Livio Compilative	9155:	IEC 62040-2, FCC Part 15, ICES-003, VCCI
0	9355:	EN 50091-2 Class A
Quality		ISO 9001: 2000 and ISO 14001:1996
Markings	9155: 9355:	UL, cUL, CSA, CE and NOM-NYCE UL, cUL
1 Due to continuous aredu		ements program specifications are subject to change without notice

^{1.} Due to continuous product improvements, program specifications are subject to change without notice.

UNITED STATES 8609 Six Forks Road Raleigh, NC 27615 U.S.A. Toll Free: 1.800.356.5794 or 919.872.3020

www.powerware.com

CANADA Ontario: 416.798.0112

LATIN AMERICA Argentina: 54.11.4343.6323 Brazil: 55.11.3616.8500 México: 52.55.5488.5252 EUROPE/MIDDLE EAST/AFRICA Denmark: 45.3686.7910 Finland: 358.94.52.661 France: 33.1.6012.7400 Germany: 49.7841.666.0 Italy: 39.02.66.04.05.40 Norway: 47.23.03.65.50 Sweden: 46.8.598.940.00 United Kingdom: 44.1753.608.700 ASIA PACIFIC Australia/NZ: 61.2.9878.5000 China: 86.21.6361.5599 HK/Korea/Taiwan: 852.2745.6682 India: 91.11.2649.9414 to 18 Singapore/SEA: 65.6829.8888

Powerware, ABM, ConnectUPS, LanSafe, PowerVision, Powerware Hot Sync, and X-Slot are trade names, trademarks, and/or service marks of Eaton Power Quality Corporation or its subsidiaries and affiliates. All other trademarks are property of their respective owners.

© 2005 Eaton Corporation All Rights Reserved Printed in USA 9155/9355FXA July 2005



Powerware