

# Eaton 9155 UPS



## Product snapshot

- Split-phase, double-conversion online operation offers highest reliability
- High efficiency design saves on energy costs across all load levels
- Small footprint saves on valuable floor space
- Monitor and manage UPS and other devices via a web-based interface
- Available in 8 kVA, 10 kVA, 12 kVA, and 15 kVA units

## Maximum power, minimum footprint

High power density means more power protection in a smaller footprint. And that's exactly what Eaton delivers in its highly efficient 9155 single-phase uninterruptible power system (UPS). With the 9155 there is no need to compromise reliability for efficiency and affordability. With its advanced power protection technology, the 9155 outperforms other UPSs in its class, all in a sleek unit that is half the size of other units.

## Features of the Eaton 9155 UPS

- True, double-conversion online operation protects connected equipment from all nine of the most common power problems
- High efficiency design saves money on operating costs across all load levels
- Compact tower design delivers maximum power density—entire unit is only 12 inches wide and 33 inches deep, including batteries
- Provides 5,500 watts per square foot with .9 output power factor—protecting more equipment for every utility dollar spent, and leaving more room for expansion in the data center
- Easily add redundancy or increase system capacity with patented Powerware Hot Sync® paralleling technology
- Ensure data and system integrity with Intelligent Power Manager® software for remote monitoring, management and shutdown
- Microprocessor-controlled ABM™ technology increases battery life
- Enhanced communications allow network connectivity and remote management:
  - o RS-232 serial port
  - o Two X-Slot® communication bays
  - o Relay output contacts
  - o Two programmable signal inputs
  - o Remote emergency power-off (REPO)

## • Warranty and support services

Standard factory warranty covers:

- System warranty: Two years parts/ 90 days labor
- Battery warranty: Two years parts/ 90 days labor

Extended service options

- Onsite startup
- Corrective and preventive maintenance
- Battery solutions
- Training
- Remote monitoring
- Factory spare parts and upgrades



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# Technical specifications for 10 and 15 kVA

## POWER

Ratings (kVA/Watts)	8, 10, 12 and 15 kVA at 0.9 power factor
Topology	True double-conversion online UPS

## ELECTRICAL INPUT

Nominal Input Voltage	200V-240V with neutral or with optional input transformer
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	5% THD

## ELECTRICAL OUTPUT

Nominal Output Voltage	100/200, 110/220, 120/240 Vac 180° phase displacement; 120/208, 127/220 Vac 120° phase displacement
Output Voltage Regulation	±1% Static; ±5% dynamic at 100% resistive load change, <1 ms response time
Efficiency	90% 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
UPS Bypass	Automatic on overload or UPS failure
Parallel for Redundancy and Capacity	Yes, using Powerware Hot Sync technology
Dimensions and Weights	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	Bundled Software Suite CD Software

## 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	< 53 dBA at 1 meter (noise less room) typical
Altitude	< 1000m at +40°C, < 3000m at +25°C

## CERTIFICATIONS

Safety Certifications	NOM-0190SCFI-1993, UL 1778, CSA C22.2, No. 107.3; EN 5502 Class A (CISPR22 Class A) and IEC 60950; IEC 62040-1-1
EMC Compliance	IEC 62040-2, FCC Part 15, ICES-003, VCCI
Quality	ISO 9001: 2000 and ISO 14001:1996
Markings	UL, cUL, CSA, CE and NOM-NYCE

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

[www.eaton.com/powerquality](http://www.eaton.com/powerquality)

CANADA  
Ontario: 416.798.0112  
Toll free: 1.800.461.9166

LATIN AMERICA  
South Cone: 54.11.4124.4000  
Brazil: 55.11.3616.8500  
Andean & Caribbean:  
1.949.452.9610  
Mexico & Central America:  
52.55.9000.5252

EUROPE/MIDDLE EAST/AFRICA  
Denmark: 45.3686.7910  
Finland: 358.94.52.661  
France: 33.1.6012.7400  
Germany: 49.0.7841.604.0  
Italy: 39.02.66.04.05.40  
Norway: 47.23.03.65.50  
Portugal: 55.11.3616.8500  
Sweden: 46.8.598.940.00  
United Kingdom: 44.1753.608.700

ASIA PACIFIC  
Australia: 61.2.9693.9366  
New Zealand: 64.0.3.343.3314  
China: 86.21.6361.5599  
HK/Korea/Taiwan: 852.2745.6682  
India: 91.11.4223.2300  
Singapore/SEA: 65.6825.1668

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