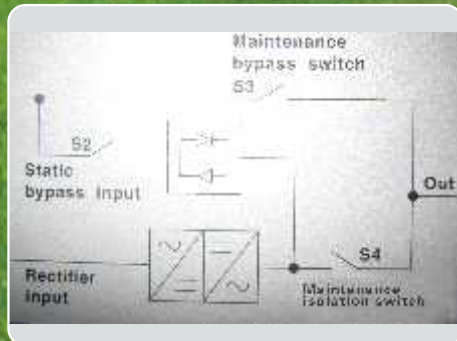


EAT•N

Powering Business Worldwide

9390 SERIES UPS 40 ~ 160KVA



Eaton 9390 UPS

The energy-efficient Eaton 9390 UPS provides backup power and scalable battery runtimes in a small footprint for mid-size data centers, medical equipment and other critical systems. With the groundbreaking Energy Saver System, the 9390 operates at 99% UPS efficiency and can pay for itself in three to five years—without sacrificing reliability.

Product Specifications

Model		40KVA	60KVA	80KVA	120KVA	160KVA
Load capacity	VA/W	40/36	60/54	80/72	120/108	160/144
General Characteristics	Overall efficiency	Full load efficiency of 95%, half load efficiency of 95%, ESS 99% energy saving mode				
	And machine capacity	And the machine can be up to eight				
	Audible noise	1 m 65 ~ 75dBA (ISO7779)				
	Storage temperature	-25 °C ~ 60 °C				
	Operating temperature	0 ~ 40 °C (continuous operation without derating)				
	Working height above sea level	40 °C, 1,500 meters (without derating)				
Input Characteristics	Rated voltage	Three-phase 380,400,415 VAC				
	Voltage range	Full ± 20%, half-load of up to -50%				
	Frequency range	45-65Hz				
	Power factor	0.99 ~ 1				
	Input current total harmonic distortion THDI	≤ 3%				
Output Characteristics	Rated voltage	Adjustable three-phase 380,400,415 VAC				
	Voltage accuracy	± 1%				
	Inverter	IGBT, PWM modulation				
	Voltage total harmonic distortion	<2% (linear load); <5% (linear load);				
	Load power factor range	0.8 lead to 0.7 lag, supports 0.9 leading power factor without derating				
	Inverter overload	100-110% 10 minutes;; 110-125% for 30 seconds; 125-150% for 10 seconds;> 150% 300 ms				
	Overload bypass is available	<115% continuous; 1000% 20 ms; note: bypass fuses may limit the overload!				
Battery	Battery voltage	Rated 480VDC (adjustable)				
	Charging	ABM Advanced Battery Management				
	Installation and line	Back / side wall installation, the standard progress and the next line into the line				
Certification	Security (through the CB certification)	IEC 62040-1, IEC 60950-1				
	Electromagnetic compatibility	IEC 62040-2				
	Performance	IEC 62040-3				
Size and weight	225 KVA, 275 KVA	W D H (W × D × H): 1350 × 880 × 1880mm, Weight 830kg				
	Redundant 225 KVA, 275 KVA redundant 1430kg	W D H (W × D × H): 1890 × 880 × 1880mm, Weight 1430kg				
	450, 500, 550 KVA	W D H (W × D × H): 1890 × 880 × 1880mm, Weight 1430kg				
	450, 550 KVA redundant	W D H (W × D × H): 2520 × 880 × 1880mm, Weight 2030kg				
	Field upgrade module, 225 or 275 KVA	W D H (W × D × H): 740 × 880 × 1880mm, Weight 600kg				
	675, 825 KVA	W D H (W × D × H): 3710 × 880 × 1880mm, Weight 2520kg				
	675, 825 KVA + 1 redundancy	W D H (W × D × H): 4450 × 880 × 1880mm, Weight 3120kg				
	1100 kVA	W D H (W × D × H): 4450 × 880 × 1880mm, Weight 3120kg				

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9395 SERIES UPS 225 ~ 1100KVA



Introduction

Eaton Powerware 9395 family is in 9315 and 9390 based on the latest generation of three-phase high-power UPS, it is the system, concentrated expression of the Eaton Powerware nearly 50 years of experience leading technology and , Eaton Powerware Corporation is a landmark symbol of type models.

The family power from 250-1100KVA, which is designed to meet today's computer network system of centralized power needs, mainly used in computer and data processing systems, communication systems, industrial control and other core areas.



Eaton 9395UPS

The energy-efficient Eaton 9395 UPS provides backup power and scalable battery runtimes in a small footprint for large data centers, healthcare applications, and other critical systems. With the groundbreaking energy saver system, the 9395 operates at 99% efficiency and can pay for itself in three to five years—without sacrificing reliability!

Product Specifications

UPS rating (0.9 power factor)	KVA	225	275	450	500	550	650	750	825	1000	1100
	KW	202	250	405	450	500	585	675	750	900	1000
General characteristics	Efficiency	>94%									
	Parallel capability	4 distributed, 32 with SBM									
	Maximum modules per size	Up to 3 modules, 550 kVA, up to 4 modules, 825/1100 kVA									
	Audible noise	<76 dBA @ 1 meter									
	Altitude (max)	2000m at 40° C (104° F)									
	N+1 Redundancy Capable	Yes									
	Field upgradeable	Yes									
	System bypass module	Included									
Input characteristics	Voltage	480V standard; and 400V available									
	Voltage range	+10% / -15%									
	Frequency range	45–65 Hz									
	Power factor	0.99 (minimum)									
	Input current distortion	<3.5% (no input filter required)									
	Soft start capability	Yes									
	Internal backfeed protection	Yes									
Output characteristics	Voltage	480V standard; and 400V available									
	Regulation	± 1%									
	Inverter	PWM with IGBT switching									
	Voltage THD	<2% (100% linear load); <5% (non-linear load)									
	Load power factor range	Up to a .9 power factor leading without derating									
Battery	Battery types	VRLA, AGM, Gel, Wet Cell									
	Battery voltage	480 V									
	Temperature compensation	Optional									
	Charging method	ABM technology or Float, Selectable									
Dimension and weights	225 kVA, 275 kVA	52.4" w x 32.7" d x 73.6" h									
	225 kVA redundant 275 kVA redundant	73.7" w x 32.7" d x 73.6" h									
	450, 500, 550 kVA	73.7" w x 32.7" d x 73.6" h									
	450, 550 kVA redundant	103" w x 32.7" d x 73.6" h									
	Field upgrade module, 225 or 275 kVA	30" w x 32.7" d x 73.6" h									
	650, 750, 825 kVA	140.9" w x 32.7" d x 73.7" h									
	650, 750, 825 kVA +1 redundant	170.2" w x 32.7" d x 73.7" h									
	1000, 1100 kVA	170.2" w x 32.7" d x 73.7" h									

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Powering Business Worldwide

9355 SERIES UPS 8 ~ 40KVA



9355 Series Application areas

- ▶ Medium Data Center (internet room, telephone room, server room)
- ▶ Factory automation process control systems and critical power systems
- ▶ Schools, medical institutions, banking, pharmaceutical industry
- ▶ Communication Bureau stations, medium-sized retail systems, hotels, casinos
- ▶ Radio, television, community monitoring and remote base stations



Eaton 9355 UPS

The Eaton 9355 UPS provides premium double-conversion backup power and scalable battery runtimes for IT and electrical engineering infrastructure in corporate, healthcare, banking and industrial applications. Packing maximum battery runtime into a very small footprint, the 9355 UPS is a complete three-phase power protection solution. The 9355 can be equipped with an integrated, customizable power distribution module that includes a maintenance bypass switch.

9355 Series UPS features

- ▶ Delivers a complete solution in a sleek tower design that includes internal batteries and an integrated power distribution module
- ▶ Offers industry-leading power density with up to a 75 percent smaller footprint and 13 percent more power capacity than comparable UPSs
- ▶ Provides more real power in less space with high 0.9 output power factor
- ▶ Extends battery service life with ABM technology that uses an innovative three-stage battery charging system
- ▶ Enables paralleling of up to four 9355 UPSs for additional capacity and redundancy with Hot Sync technology
- ▶ Offers scalability with 10 kVA models that can be upgraded with an additional 10 kVA of capacity (26)



Product Specifications

General Characteristics	Rated output	8–15 kVA, 0.9 power factor	20–40 kVA, 0.9 power factor
	Efficiency	Efficient mode of up to 98%	93% nominal load
	Audible noise	<50 DB (A)	
Input Characteristics	Nominal voltage	400V (3 phase input / output) ± 20%	
	Frequency	45–65Hz	
	Power factor	0.99 (nominal load, 5% THD I)	0.99 (nominal load 2–5% THDI)
Output Characteristics	Optional voltage	380/400/415VAC; 50 or 60Hz	
	Adjust	± 2%, static	
	Power factor	0.9 (example: 10kVA under 9 kW; under the 30kVA 27kW)	
		allowable load power factor 0.7 lag – 0.8 lead	
	Overload	150% 1 minute, 125% for 10 minutes, 110% 60 minutes (power supply available)	
Battery	Species	Maintenance-free lead-acid batteries	
	Battery charging	Advanced battery management (ABMTM)	
	Temperature compensation	Standard	
	Battery voltage	384V (32 ↑ 12V batteries in parallel)	432V (36 ↑ 12V batteries in parallel)
	Maximum battery voltage	451V (2.35 VPC)	507 V (2.35 VPC)
	Battery low voltage	336V (1.75 / 1.67 VPC)	378V (1.75 / 1.67 VPC)
Authentication and Communication	Certification	CE	CE, GOST, ISO 9001:2000, ISO 14001:2004
	X slots	2 expansion slots communicate	
	Serial port	Serial port	
	Input / output	2 / 1 programmable	
Size and Weight	8 kVA	W D H (W × D × H): 817 × 305 × 702mm, weight 165kg	
	10 kVA	W D H (W × D × H): 817 × 305 × 702mm, weight 165kg	
	10 kVA	W D H (W × D × H): 1214 × 305 × 702mm, weight 280kg	
	12 kVA	W D H (W × D × H): 817 × 305 × 702mm, weight 165kg	
	15 kVA	W D H (W × D × H): 817 × 305 × 702mm, weight 165kg	
	20 kVA	W D H (W × D × H): 1684 × 494 × 762mm, weight 300kg	
	30 kVA	W D H (W × D × H): 1684 × 494 × 762mm, weight 400kg	
	40 kVA	W D H (W × D × H): 1684 × 494 × 762mm, weight 517kg	