

Eaton 9355 UPS



Product Snapshot

Power Rating : 10/12/15/20/30/40 kVA
Voltage : 400 V L-L, 230 V L-N
Frequency : 50 Hz / 60 Hz
Technology : Online double conversion

Features

- Active power factor control for less disturbances in low-voltage networks. Eaton's 9355 provides a perfect sine-wave and 0.99 input power factor.
- Hot Sync[®] unbreakable security: Hot Sync[®] parallels two or more UPS units. Each Eaton 9355 UPS module has the ability to synchronise and support the critical load independently of the other module.
- Advance Battery Management (ABM[®]) constantly monitors battery charge status and only recharges when necessary.
- Communication options: Web/SNMP, Modbus and Relay communication card options provide complete UPS monitoring, control and shutdown solutions for networked IT and industrial communications environments.

Power protection you can count on

The Eaton 9355 is a three phase double conversion online UPS for protection of critical systems. It combines good looks with unparalleled efficiency, reliability and provides an affordable solution for 24x7 power protection across a wide range of critical applications. The 9355 covers the power range 10–40 kVA and can be paralleled for redundancy and capacity using Eaton's patented Hot Sync[®] technology.

The Eaton 9355 provides high "real life" efficiency, which reduces utility costs, extends battery runtimes and produces cooler operating conditions. It is scalable to suit a wide range of applications so the UPS can grow with corporate demands.

The UPS features Eaton's proprietary ABM[®] technology, which significantly increases battery life and includes self diagnostic capabilities that alerts the user of potential problems before they become costly incidents.

For added capacity or redundancy, the system fully supports Eaton's Hot Sync[®] technology for remarkably reliable paralleling of up to four equivalent UPS modules.

Boasting a sleek tower design half the size of comparable three-phase UPSs in the market, the Eaton 9355 ensures the highest level of protection from power disturbances while also reducing the demand for space in crowded data centres.

The 9355's high power density delivers a 0.9 output power factor and can handle loads with a leading power factor of up to 0.8, ensuring compatibility with modern IT loads..

Eaton 9355 combines style and small footprint with high performance. With its elegant black casing and its fully graphic, blue backlit LCD display, its strikingly modern appearance sets it clearly apart from the computer-grey masses of older equipment usually found in offices and server rooms.

Reliable

The 9355 protects against all nine common power disturbances.

With Eaton's patented Hot Sync[®] technology, two or more UPS units can be paralleled to provide protection of the load even if one of the units is out of commission for service. The 9355 design incorporates well thought-through solutions geared to keep its total cost of ownership at the lowest possible level.

Easy to use

Floor space is expensive. That is why the 9355 is designed in a slim, compact tower to provide maximum power per square metre. Its small footprint also means that you will be able to increase your UPS capacity considerably without expanding your present server room with easier transportation and installation.

Internal battery capability provides up to 20 minutes run time at full load (model dependant), and you can extend it to several hours by adding extra battery packs.

The fully graphic LCD display with blue backlight makes the 9355 easy to control and monitor. For example, the inputs and outputs are configurable, enabling UPS customisation for the critical application.

With bundled software suite and a wide range of communication options, the 9355 is easy to run with remote using a variety of protocols.

Eaton 9355 features inherent reliability. Only the most reliable hardware and technologies are used in their manufacturing.

The 9355 offers you confidence that lets you stop worrying about power.

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Powering Business Worldwide

Eaton 9355 UPS

TECHNICAL SPECIFICATIONS

Rating	10 kVA	12 kVA	15 kVA	20 kVA	30 kVA	40 kVA
Part number	9355-10-N	9355-12-N	9355-15-N	9355-20-N	9355-30-N	9355-40-N
Capacity (kVA/kW)	10 / 9	12 / 10.5	15 / 13.5	20 / 18	30 / 27	40 / 36
Dimensions HxWxD (mm)	418 x 305 x 702 (without internal battery capability) 817 x 305 x 702 (with 1 battery compartment) 1214 x 305 x 702 (with 2 battery compartments)			1684 x 494 x 762		
Input connection	Hardwired, separate inputs for rectifier and bypass					
Output connection	3-ph (9355), UPS output hardwired					
Operational						
Nominal input voltage (Vac)	380 / 400 / 415 Vac three phase					
Input voltage range	10-15kVA : ±20%, 20-40kVA: -15% +20% from nominal at 100% load					
Operating frequency	50/60 Hz (45 to 65 Hz)					
Input power factor	0.99					
Input current distortion	<5% THD in nominal linear load condition					
Nominal output voltage	380 / 400 / 415 Vac					
Output voltage regulation	±2% static; ±5% dynamic at 100% load change, < 1 ms response time					
Overload capacity	110% for 10 min 125% for 1 min 150% for 5 sec					
Efficiency	93% at linear load					
User interface						
LCD display	Graphical LCD with blue backlight: English, French, German and Spanish languages std.					
LED	4 LED					
Standard communication ports	1 x RS232 for local support, 2 x XSlot (empty); 1 x relay contact, 1 x emergency power-off input, 2 x environmental inputs					
Optional	External battery cabinets; Temperature Probe (EMP) Slot connectivity: Web/SNMP, Modbus/Jbus, Relay, Hot Sync, Power Xpert gateway cards					
Environmental						
Operating temperature	0°C to +40°C					
Storage temperature	-15°C to +45°C					
Altitude	1000 m above sea level max. 2000m with 1% derating per +100m					
Audible noise	50 dB(A) at 1 metre (noise less room); according to ISO 7779					
Certification						
Quality	ISO 9001: 2000 and ISO 14001:1996					
Markings	CE and GOST marking					
Safety	IEC 62040-1-1, IEC 60950, EN 62040-1-1					
EMC	EN 50091-2 Class A					

*Specifications are subject to change without notice.

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Technical Specifications

Eaton 9155

Technical Specifications	10 kVA	15 kVA	20 kVA	30 kVA
Part number	PW9155-10I-N	PW9155-15I-N	PW9155-20-N	PW9155-30-N
Capacity (kW)	9	13.5	18	27
Dimensions HxWxD (mm)	817x305x702	817x305x702	1684x494x762	1684x494x762
With extra runtime	1214x305x702	1214x305x702		
Weight	155 kg	155 kg	300 kg	300 kg
Input connection	Hardwired	Hardwired	Hardwired	Hardwired
Output connection	Hardwired	Hardwired	Hardwired	Hardwired
Typical runtime	Typical 5-20 minutes, extendable upto several hours			

Operational

Nominal input voltage	380/400/415 VAC, three phase
Input voltage range	305 to 478 VAC
Operating frequency	50/60 Hz (45 to 65 Hz)
Input power factor	0.99
Input current distortion	5% THD in normal network condition
Nominal output voltage	220/230/240 VAC single phase
Output voltage regulation	± 2% static; ± 5% dynamic at 100% load change, < 1 ms response time
Overload capacity	150% for 5 sec / 125 % for 1 min (online), 1000% for 20 msec (bypass)
Efficiency	92% with rated non-linear load

User interface

LCD display	Graphical LCD with blue backlight
LED	4 LED
Standard communication ports	1 x RS232 for local support, 2 x X-slot (empty); 1 x relay contact, 1 x emergency power-off input, 2x environmental input
Optional	External battery cabinets; external mechanical bypass switch X-slot: Web/SNMP, Modbus/JBus, relay card

Environmental

Operating Temperature	0°C to + 40°C
Storage temperature	-15°C to + 40°C
Audible noise at 1 meter	< 50 dB

Certification

Quality	ISO 9001
markings	CE marking
Safety	IEC 62040-1-1, IEC 60950, EN 62040-1-1
EMC	EN 50091-2 Class A

In the interest of continuous product improvement, all specifications are subject to change without notice.

Battery backup time is approx figure. Battery backup is proportional to number of power cycles and few other factors. Hence the battery time can vary to large extent based on the conditions.



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