



Powerware

Powerware 9155 Uninterruptible Power System

Product Focus

Stand-alone UPS solutions up to 30 kVA
Hot Sync® UPS parallel systems with redundancy/capacity



Features

- Patented Hot Sync® redundancy and modular upgrades up to 4 x parallel systems
- Advanced Battery Management (ABM™), significantly extends battery service life compared to traditional charging method
- Active input power factor correction (PFC) providing unbeatable 0.99 input power factor and 2-5% THD(i)
- Optimised 0.9 p.f. output rating for server and computer loads
- Market leading internal battery runtimes
- User friendly multilingual LCD display with settings, meters and active mimic displays
- Web/SNMP, Modbus/JBus and Industrial Relays monitoring capability

Product Snapshot

Technology: Series 9
(IEC 62040-3 class VFI-SS-11)

Rating: 20-30 kVA at 0.9 p.f.

Voltage: 230 V 50/60 Hz

Backup time: Typical 5-30 min,
extendable up to hours

Powerware 9155, from Eaton's range of Series 9 UPS's, is designed to protect critical computers and servers. Centralised UPS protection is an essential part of IT infrastructure in today's telecom, healthcare, banking, IT and industrial automation applications. Powerware 9155 features high (93%) efficiency, active input power factor control (PFC) and low 2-5% THD(i) with modern IGBT rectifier technology.

With Hot Sync® technology it is possible to parallel one or more UPS units to increase availability. The patented Hot Sync technology enables load sharing without any communication line, thus eliminating a single point of failure.

Powerware 9155 utilises unique Advanced Battery Management (ABM™) function: while traditional UPS's charge batteries continuously, ABM™ charges batteries only when

necessary, thus preventing battery corrosion. This exceptional ABM™ function significantly prolongs the service life of batteries.

With a novel, small footprint and long runtimes (with internal batteries) the Powerware 9155 saves valuable space in data centers and computer rooms. Together with a wide range of models and options it ensures that the double conversion online Powerware 9155, with single phase output, is the ideal UPS for critical power protection applications.

Bundled with Powerware Software Suite, Powerware 9155 protects all network devices and has additional advantage of providing an orderly network shutdown in the event of an extended power outage. If required, Powerware 9155 can also be integrated to network management (Web/SNMP) and building management (ModBus/Jbus) systems.

Technical Specifications

POWERWARE 9155

General

Output rating	20-30 kVA 0,9 p.f.
Efficiency	93% at nominal load
Audible noise	<50 dB (A)

Input

Nominal voltage	400 V (3-phase input)
Frequency	45-65 Hz
Power factor	0,99 (2-5% THDi at nominal load)

Output

Selectable voltage	220/230/240 VAC; 50 or 60 Hz
Regulation	±2% static
Power factor	0,9 (e.g. 27 kW at 30 kVA)
Load power factors	0,7 lagging to 0,8 leading
Overload	150% for 1 min, 125% for 10 min, 110% for 60 min (mains available)

Battery

Type	Maintenance free VRLA batteries
Battery charging	Advanced Battery Management (ABM™)
Battery nominal voltage	432 V (36 x12 V, 216 cells)
Battery max. voltage	507 V (2.35 VPC)
Battery min. voltage	378 V (1.75 / 1.67 VPC)

Options

Isolation transformer,
Long-life 10y battery options,
External battery cabinets,
XSlot connectivity (Web/SNMP, ModBus/JBus,
Relay, Hot Sync),

Markings

Approvals	CE, GOST
Quality	ISO9001:2000 & ISO14001:2004

Standard UPS with 3-phase input

Part nro	Description	Rating	Runtime (pf 0.7)	Dimensions (HxWxD)	Weight
1026598	9155-20-N-5-1x9Ah-MBS	20 kVA / 18 kW	5 min	1684x494x762 mm	200 kg
1026599	9155-20-N-13-2x9Ah-MBS	20 kVA / 18 kW	13 min	1684x494x762 mm	300 kg
1026600	9155-20-N-22-3x9Ah-MBS	20 kVA / 18 kW	22 min	1684x494x762 mm	400 kg
1026601	9155-20-N-31-4x9Ah-MBS	20 kVA / 18 kW	31 min	1684x494x762 mm	500 kg
1026602	9155-30-N-7-2x9Ah-MBS	30 kVA / 27 kW	7 min	1684x494x762 mm	300 kg
1026603	9155-30-N-13-3x9Ah-MBS	30 kVA / 27 kW	12 min	1684x494x762 mm	400 kg
1026604	9155-30-N-20-4x9Ah-MBS	30 kVA / 27 kW	20 min	1684x494x762 mm	500 kg

External battery cabinets

Part nro	Description	Rating	Runtime	Dimensions (HxWxD)	Weight
1025169	9X55-BAT-1x24Ah (20-40 kVA)	1x36x24 Ah	See runtime spec	1684x494x758 mm	510 kg
1025170	9X55-BAT-2x24Ah (20-40 kVA)	2x36x24 Ah	See runtime spec	1684x494x758 mm	870 kg

In the interests of continual product improvement all specifications are subject to change without notice.

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