



Powerware

Powerware 9355 Uninterruptible Power System

Product Focus

Stand-alone UPS solutions up to 40 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) harmonics
- Optimised 0.9 p.f. output rating for server and computer loads
- Market leading internal battery runtime
- User friendly multilingual LCD display with settings, meters and active mimic capability
- Web/SNMP, Modbus/JBus and Industrial Relays monitoring capability

Product Snapshot

Technology: Double conversion
(Series 9)

Rating: 20-40 kVA at 0.9 p.f.

Voltage: 400 V 50/60 Hz

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

Powerware 9355, a Series 9 UPS, is designed to protect high 0.9 p.f. rated, critical computers and servers. Centralised UPS protection is an essential part of IT infrastructure in today's IT, telecom, healthcare, banking and industrial automation applications. Powerware 9355 features high 93% efficiency, active input power factor control (PFC) and low 2-5% THD(i) with the modern IGBT rectifier technology.

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

Powerware 9355 operates using unique Advanced Battery Management (ABM™) function. While traditional UPS charges batteries continuously, ABM charges batteries only when

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

A novel small footprint and long runtimes with internal batteries Powerware 9355 saves valuable space in the data centers and computer rooms. Together with a wide range of models and options it ensures that the double conversion online Powerware 9355, with three phase output, is the ideal UPS for critical power protection applications.

Bundled with Powerware Software Suite, Powerware 9355 protects all network devices and has additional advantage of providing an orderly network shutdown in event of an extended power outage. If required, Powerware 9355 can also be integrated to network management (Web/SNMP) and building management (ModBus/Jbus) systems.

Technical Specifications

POWERWARE 9355

General

Output rating	20-40 kVA 0,9 p.f.
Efficiency	93% at nominal load
Audible noise	<50 dB (A)

Input

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

Output

Selectable voltage	380/400/415 VAC; 50 or 60 Hz
Regulation	±2% static
Power factor	0,9 (e.g. 27 kW at 30 kVA)
Permitted load power factors	0.7 lagging - 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),
Parallel tie cabinets

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
1025061	9355-20-N-5-1x9Ah-MBS	20 kVA / 18 kW	5 min	1684x494x762 mm	300 kg
1025062	9355-20-N-13-2x9Ah-MBS	20 kVA / 18 kW	13 min	1684x494x762 mm	400 kg
1025063	9355-20-N-22-3x9Ah-MBS	20 kVA / 18 kW	22 min	1684x494x762 mm	500 kg
1025064	9355-20-N-31-4x9Ah-MBS	20 kVA / 18 kW	31 min	1684x494x762 mm	600 kg
1025065	9355-30-N-7-2x9Ah-MBS	30 kVA / 27 kW	7 min	1684x494x762 mm	400 kg
1025066	9355-30-N-13-3x9Ah-MBS	30 kVA / 27 kW	12 min	1684x494x762 mm	500 kg
1025067	9355-30-N-20-4x9Ah-MBS	30 kVA / 27 kW	20 min	1684x494x762 mm	600 kg
1025795	9355-40-N-8-3x9Ah-MBS	40 kVA / 36 kW	8 min	1684x494x762 mm	517 kg
1025796	9355-40-N-12-4x9Ah-MBS	40 kVA / 36 kW	12 min	1684x494x762 mm	617 kg

External battery cabinets

Part nro	Description	Rating	Runtime	Dimensions (HxWxD)	Weight
1025169	9355-BAT-1x24Ah (30 kVA)	1x36x24 Ah	See runtime spec	1684x494x758 mm	510 kg
1025170	9355-BAT-2x24Ah (30 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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