

Powerware® Maintenance Bypass Module (MBM) for Powerware 9315 (30-500 kVA)

Features

- ▶ 65 KAIC, 100% continuous current rated molded case circuit breakers, with microprocessor controlled trip units, and auxiliary contacts
- ▶ Electrical interlocking between UPS and bypass sources
- ▶ Convection cooled cabinet with swivel casters, transfer sequence label, and print pocket
- ▶ 200% rated neutral bus.
- ▶ UPS protected 120 VAC receptacle (NEMA 5-15R)

Optional features available:

- ▶ Bypass Input Breaker (BIB) for single module applications
- ▶ Dual Bypass Input Breakers (BIB1/BIB2) for parallel redundant module applications
- ▶ Kirk Key Interlocking between UPS and bypass sources
- ▶ Auto or isolation transformer optional for 480/208 and 600/208 volt applications



ENVIRONMENTAL SPECIFICATIONS

Ambient Temperature	0°C to +40°C
Storage	-20°C to +70°C
Relative Humidity	5-95% non-condensing
Altitude	1500 meters (5500ft.) at 40°C ambient temperature without load derating
Audible Noise	Less than 50 dBA at 1 meter; in accordance with ISO 7779

INTERNAL FRONT VIEW



Transfer Sequence Label

Standard Electrical Interlocking

Optional BIB1 and BIB2 MCBs

Powerware is pleased to offer the new Powerware Maintenance Bypass Module for the Powerware 9315 product line. Powerware MBM ensures simple and reliable bypass power delivery to critical loads when servicing or testing UPS equipment.

Available for reverse transfer or parallel redundant system configurations, your critical load is supported by the best available in power protection. With more than 40 years experience in designing and building high-end, innovative UPS solutions, Powerware understands the need to deliver the ultimate in power protection and value.

GENERAL SPECIFICATIONS

Input & Output Power Cabling

Top and bottom entry typical

Top entry only for voltage conversion models

Line-up and match harnessing is available for typical configurations up to 160 kVA

SAFETY

UL1778 Listed

EXTENDED FRONT VIEW W/KIRK KEY OPTION



Bypass Ready and Release Controls

120 VAC Convenience Outlet

65KAIC 100% Rated Circuit Breakers with Adjustable Micro Trip Units

Optional Kirk Key Interlocks

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Powerware 9315 MBM Performance Characteristics

MODEL NUMBERS	VIN/VOUT	HZ	IINT/IOUT	MBP & MIS FRM/TRP	BIB1/BIB2 FRM/TRP	DIMENSIONS HxWxD	INSTALLED WEIGHT LBS	EFFICIENCIES @100% LOAD	BTU/HR. (x1000)	FULL LOAD HEAT DISSIPATION KCAL/HR. (x1000)	
9315-40	30KVA	400V/400V	50/60	45A/45A	100A/50A	100A/50A	73.5x34x31.5	650	100%	0	0
	40KVA	400V/400V	50/60	60A/60A	100A/70A	100A/70A	73.5x34x31.5	650	100%	0	0
9315-50	30KVA	480V/208V	60	36A/83A	250A/100A	100A/40A	73.5x34x31.5	1210	96%	3,415	861
		480V/480V	60	36A/36A	100A/40A	100A/40A	73.5x34x31.5	650	100%	0	0
		208V/208V	60	83A/83A	250A/100A	250A/100A	73.5x34x31.5	650	100%	0	0
	40KVA	480V/208V	60	48A/111A	250A/125A	100A/50A	73.5x34x31.5	1210	96%	4,553	1,148
		480V/480V	60	48A/48A	100A/50A	100A/50A	73.5x34x31.5	650	100%	0	0
		208V/208V	60	111A/111A	250A/125A	250A/125A	73.5x34x31.5	650	100%	0	0
	50KVA	480V/208V	60	60A/139A	250A/150A	100A/70A	73.5x34x31.5	1210	96%	5,692	1,434
		480V/480V	60	60A/60A	100A/70A	100A/70A	73.5x34x31.5	650	100%	0	0
		208V/208V	60	139A/139A	250A/150A	250A/150A	73.5x34x31.5	650	100%	0	0
9315-80	50KVA	480V/208V	60	60A/139A	250A/150A	100A/70A	73.5x34x31.5	1300	96%	5,692	1,434
		480V/480V	60	60A/60A	100A/70A	100A/70A	73.5x34x31.5	650	100%	0	0
		400V/400V	50/60	74A/74A	100A/80A	100A/80A	73.5x34x31.5	650	100%	0	0
		208V/208V	60	139A/139A	250A/150A	250A/150A	73.5x34x31.5	650	100%	0	0
	65KVA	480V/208V	60	78A/180A	250A/200A	100A/80A	73.5x34x31.5	1300	96%	7,399	1,865
		480V/480V	60	78A/78A	100A/80A	100A/80A	73.5x34x31.5	650	100%	0	0
		400V/400V	50/60	97A/97A	250A/100A	250A/100A	73.5x34x31.5	650	100%	0	0
		208V/208V	60	180A/180A	250A/200A	250A/200A	73.5x34x31.5	650	100%	0	0
	80KVA	480V/208V	60	96A/222A	250A/237A	100A/100A	73.5x34x31.5	1300	96%	9,107	2,295
		480V/480V	60	96A/96A	100A/100A	100A/100A	73.5x34x31.5	650	100%	0	0
		400V/400V	50/60	115A/115A	250A/125A	250A/125A	73.5x34x31.5	650	100%	0	0
		208V/208V	60	222A/222A	250A/237A	250A/237A	73.5x34x31.5	650	100%	0	0
9315-160	100KVA	480V/208V	60	120A/278A	600A/300A	250A/125A	73.5x49.3x31.5	1620	96%	11,383	2,869
		480V/480V	60	120A/120A	250A/125A	250A/125A	73.5x34x31.5	650	100%	0	0
		400V/400V	50/60	144A/144A	250A/150A	250A/150A	73.5x34x31.5	650	100%	0	0
		208V/208A	60	278A/278A	600A/300A	600A/300A	73.5x34x31.5	850	100%	0	0
	130KVA	480V/208V	60	156A/361A	600A/420A	250A/175A	73.5x49.3x31.5	1620	96%	14,798	3,729
		480V/480V	60	156A/156A	250A/175A	250A/175A	73.5x34x31.5	650	100%	0	0
		400V/400V	50/60	188A/188A	250A/200A	250A/200A	73.5x34x31.5	650	100%	0	0
		208V/208V	60	361A/361A	600A/420A	600A/420A	73.5x34x31.5	850	100%	0	0
	160KVA	480V/208V	60	192A/444A	600A/480A	250A/200A	73.5x49.3x31.5	1620	96%	18,213	4,590
		480V/480V	60	192A/192A	250A/200A	250A/200A	73.5x34x31.5	650	100%	0	0
		400V/400V	50/60	231A/231A	250A/237A	250A/237A	73.5x34x31.5	650	100%	0	0
		208V/208V	60	444A/444A	600A/480A	600A/480A	73.5x34x31.5	850	100%	0	0
9315-200	200KVA	400V/400V	50/60	290A/290A	400A/320A	400A/320A	73.5x34x31.5	850	100%	0	0
9315-225	225KVA	208V/208V	60	625A/625A	800A/640A	800A/640A	73.5x34x31.5	930	100%	0	0
		480V/208V	60	271A/625A	800A/640A	800A/640A	73.5x49.3x31.5	2605	98%	12,545	3,162
9315-250	250KVA	400V/400V	50/60	360A/360A	400A/380A	400A/380A	73.5x34x31.5	850	100%	0	0
9315-300	225KVA	600V/600V	60	217A/217A	400A/240A	400A/240A	73.5x34x31.5	850	100%	0	0
		600V/208V	60	217A/625A	400A/240A	400A/240A	73.5x49.3x31.5	2525	98%	12,545	3,162
		480V/480V	60	271A/271A	400A/280A	400A/280A	73.5x34x31.5	850	100%	0	0
		480V/208V	60	271A/625A	400A/320A	400A/320A	73.5x49.3x31.5	2525	98%	12,545	3,162
	300KVA	600V/600V	60	289A/289A	400A/320A	400A/320A	74x34x31.5	850	100%	0	0
		600V/208V	60	289A/625A	400A/320A	400A/320A	73.5x49.3x31.5	2525	98%	16,727	4,215
		480V/480V	60	360A/360A	400A/380A	400A/380A	73.5x34x31.5	850	100%	0	0
		480V/208V	60	360V/833A	400A/400A	400A/400A	73.5x49.3x31.5	2525	98%	16,727	4,215
9315-400	400KVA	480V/480V	60	481A/481A	600A/540A	600A/540A	73.5x34x31.5	850	100%	0	0
9315-500	500KVA	480V/480V	60	600A/600A	400A/240A	600A/600A	73.5x34x31.5	850	100%	0	0

● This line also applies to 380V/380V and 415V/415V.

Powerware

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