

MCR Hardwired Series – Power Line Conditioning with Voltage Regulation

The MCR Hardwired Series provides excellent noise filtering and surge protection to safeguard connected equipment from damage, degradation or misoperation. Combined with the excellent voltage regulation inherent to SolaHD's ferroresonant design, the MCR can increase the actual Mean Time Between Failure (MTBF) of protected equipment. The MCR is a perfect choice where dirty power, caused by impulses, swell, sags, brownouts and waveform distortion can lead to costly downtime because of damaged equipment.

Applications

- Industrial automation and control equipment PLCs
- Machine tools
- Computer loads and electronic equipment
- Robotics
- Semiconductor fabrication equipment

Features

- $\pm 3\%$ output voltage regulation
- Noise attenuation
 - 120 dB common mode
 - 60 dB transverse mode
- Surge protection tested to ANSI/IEEE C62.41 Class A & B Waveform:
 - <10 V let through typical
- Acts as a step-up or step-down transformer
- Harmonic filtering
- Hardwired
- Galvanic isolation provides exceptional circuit protection
- 25 year typical MTBF
- No maintenance required

Selection Tables: Single Phase

Group 2 – MCR Series, 60 Hz Only

VA	Catalog Number	Voltage Input	Voltage Output	Height in (mm)	Width in (mm)	Depth in (mm)	Ship Weight lbs (kg)	Design Style	Elec Conn
120	63-23-112-4	120, 208, 240, 480	120	9.00 (228.6)	4.00 (101.6)	5.00 (127.0)	15.0 (6.80)	1	D
250	63-23-125-4	120, 208, 240, 480	120	10.00 (254.0)	6.00 (152.4)	8.00 (203.2)	27.0 (12.25)	1	D
500	63-23-150-8	120, 208, 240, 480	120, 208, 240	13.00 (330.2)	9.00 (228.6)	7.00 (177.8)	37.0 (16.78)	1	E
750	63-23-175-8	120, 208, 240, 480	120, 208, 240	14.00 (355.6)	9.00 (228.6)	7.00 (177.8)	52.0 (23.60)	1	E
1000 *	63-23-210-8	120, 208, 240, 480	120, 208, 240	17.00 (431.8)	9.00 (228.6)	7.00 (177.8)	62.0 (28.12)	1	E
1500 *	63-23-215-8	120, 208, 240, 480	120, 208, 240	17.00 (431.8)	13.00 (330.2)	9.00 (228.6)	95.0 (43.10)	1	E
2000 *	63-23-220-8	120, 208, 240, 480	120, 208, 240	18.00 (457.2)	13.00 (330.2)	9.00 (228.6)	109.0 (49.44)	1	E
3000 *	63-23-230-8	120, 208, 240, 480	120, 208, 240	19.00 (482.6)	13.00 (330.2)	9.00 (228.6)	142.0 (64.41)	1	E
5000 *	63-23-250-8	120, 208, 240, 480	120, 208, 240	28.00 (711.2)	13.00 (330.2)	9.00 (228.6)	222.0 (100.70)	1	E
7500	63-28-275-8	208, 240, 480	120, 208, 240	27.00 (685.8)	26.00 (660.4)	9.00 (228.6)	362.0 (164.20)	2	F
10000	63-28-310-8	208, 240, 480	120, 208, 240	28.00 (711.2)	26.00 (660.4)	9.00 (228.6)	446.0 (202.30)	2	F
15000	63-28-315-8	208, 240, 480	120, 208, 240	28.00 (711.2)	38.00 (965.2)	10.00 (254.0)	710.0 (322.05)	3	F

* Canadian option: cULus units must be ordered by changing "-8" (UL only) to "-C8".



Certifications and Compliances

All Models

- RoHS Compliant

Selection Table: Group 2

- cULus Listed (120VA-5kVA Units)
 - UL 1012, CSA C22.2 No. 107.1
- UL Listed (7.5kVA-15kVA Units)
 - UL 1012

Selection Table: Group 3

- cULus Listed (500VA-3kVA Units)
 - UL 1012, CSA C22.2 No. 107.1
- SP Certified (5kVA-15kVA Units)
 - CSA C22.2 No. 107.1

Selection Table: Group 4

- cULus Listed
 - UL 1012, CSA C22.2 No. 107.1

Related Products

- On-line UPS (S4K Industrial)
- Surge Protection
- Three Phase Power Conditioners
- Active Tracking® Filters