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Products

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MCR & MPC Portable Series - Power Line Conditioning with Voltage Regulation

The MCR and MPC provide excellent noise filtering and surge protection to protect connected equipment from damage, degradation or misoperation. Combined with the excellent voltage regulation inherent to Sola/Hevi-Duty's patented ferroresonant design, they can increase the actual Mean Time Before Failure (MTBF) of protected equipment. These units are a perfect choice where dirty power caused by impulses, swell, sags, brownouts and waveform distortion can lead to costly downtime because of damaged equipment.



On this page: [Features](#), [Applications](#), [Specifications](#), [Back Panels](#), [Selection Tables](#)

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Features

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- Noise attenuation
 - 120 dB common mode
 - 60 dB transverse mode
- Surge suppression tested to ANSI/IEEE C62.41 Class A & B Waveform: < 10 V let through typical

PDF FILES

[Specifications](#)[Model Comparison](#)[Operating Characteristics](#)

PDF files require Acrobat Reader to view them. Click above to download it for free.

- Harmonic filtering
- Galvanic isolation provides exceptional circuit protection
- Point-of-use Protection
 - Cord & Plug Connected
 - Easy & Flexible Installation
- 25 year typical MTBF
- No maintenance required
- ±3% output voltage regulation

Applications [↑ Top](#)

- Computers/ Printers
- Telephone/FAX systems
- Laboratory Equipment
- Security systems
- POS terminals
- LAN networks

Plug & Receptacle Reference Chart [↑ Top](#)



Specifications [↑ Top](#)

Parameter	Condition	Value
Input		
Voltage	Continuous at full load (lower input voltage possible at lighter load)	+10% to -20% of nominal
	For temporary surges or sags	+20% to -35% of nominal
Current	at Full Load & 80% of nominal input voltage	$I_{in} \cong (VA/.89) / (V_{in} * 80\%)$
Frequency	See the Operating Characteristics pdf for details.	50 or 60 Hz depending on model

Output		
Line Regulation	$V_{in} > 80\%$ and $< 110\%$ of nominal	$\pm 5\%$ for 50 Hz $\pm 3\%$ for 60 Hz
Overload Protection	At Nominal Input Voltage	Current limited at 1.65 times rated current
Noise Attenuation	-Common Mode -Transverse Mode	120 dB 60 dB
Output Harmonic Distortion	At full load within input range	3% total RMS content at full load
Let-through	ANSI/IEEE C62.41 Class A & B Waveform	< 10 V Typical
General		
Efficiency	at Full Load	92% Typical
Storage Temperature	Humidity $< 95\%$ non-condensing	-20° to 85°C
Operating Temperature		-20° to 40°C
Audible Noise	n	35 dBA to 65 dBA
Approvals	60 Hz Models 50 Hz Models	CE (EMC & LVD) UL1012 ¹ ; CSA (or c_{UL}) ¹
Warranty	n	10 + 2 Years
Note: 1 - Depending on model, see Selection Tables to confirm agency approvals for specific model numbers.		

Back Panels



60 Hz, 70 - 1000 VA,
(4) 5-15R Receptacles



60 Hz, 2000 - 3000 VA,
(4) 5-15R and (1) L5-30R Receptacle



50 Hz, (1) IEC 320 Input Receptacle.
250 VA (2) IEC 320 Receptacles
500-2000 VA (4) IEC320 Receptacles



60 Hz, 250 - 1000 VA,
(4) 5-15R Isolated Ground Hospital Grade Receptacles

Group A - MCR Portable Series, 60 Hz



VA	Catalog Number	Voltage Input/Output	Height (inch)	Width (inch)	Depth (inch)	Ship Weight (lbs)	Receptacle (No.) Type (NEMA)	Plug (NEMA)
70	63-13-070-6	120	6	7	9	18	(4) 5-15R	5-15P
150	63-13-115-6	120	6	7	9	21	(4) 5-15R	5-15P
250	63-13-125-6	120	6	7	9	26	(4) 5-15R	5-15P
500	63-13-150-6	120	9	9	16	32	(4) 5-15R	5-15P
750	63-13-175-6	120	9	9	16	64	(4) 5-15R	5-15P
1000	63-13-210-6	120	9	9	16	69	(4) 5-15R	5-15P
1500*	63-13-215-6	120	11	11	17	95	(6) 5-15R	5-20P
2000**	63-13-220-6	120	11	11	17	115	(4) 5-15R, (1) L5-30R	L5-30P
3000**	63-13-230-6	120	11	11	17	143	(4) 5-15R, (1) L5-30R	5-50P

*This unit is cUL_{US} certified.
 **This unit is not CSA certified.

Group B - MCR Portable Series, 50 Hz



VA	Catalog Number	Voltage Input/Output	Height (inch)	Width (inch)	Depth (inch)	Ship Weight (lbs)	Receptacle (No.) Type (NEMA)	Plug (NEMA)
250	63-13-625-9	220 or 240	7	8	13	36	(2) IEC-320	3-WIRE PIGTAIL
500	63-13-650-9	220 or 240	9	9	16	45	(4) IEC-320	3-WIRE PIGTAIL
1000	63-13-710-9	220 or 240	9	9	16	54	(4) IEC-320	3-WIRE PIGTAIL
2000	63-13-720-9	220 or 240	10	11	17	118	(4) IEC-320	3-WIRE PIGTAIL

Group C - MPC Portable Medical Series, 60 Hz



VA	Catalog Number	Voltage Input/Output	Height (inch)	Width (inch)	Depth (inch)	Ship Weight (lbs)	Receptacle (No.) Type (NEMA)	Plug (NEMA)
250	63-13-125-7	120	6	7	9	26	(4) 5-15R	5-15P
500	63-13-150-7	120	9	9	16	32	(4) 5-15R	5-15P
1000	63-13-210-7	120	9	9	16	69	(4) 5-15R	5-15P

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