

MCR Portable Series – Power Line Conditioning with Voltage Regulation

The MCR provides excellent noise filtering and surge protection to protect connected equipment from damage, degradation or misoperation. Combined with the excellent voltage regulation inherent to SolaHD's patented ferroresonant design, they can increase the actual Mean Time Between 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.



MCR Portable Series



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)
- 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

Applications

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

Specifications

Parameter	Condition	Value
Input		
Voltage	Continuous at full load (lower input voltage possible at lighter load)	+10% to -20% of nominal
	For temporary surge or sags	+20% to -35% of nominal
Current	At Full Load & 80% of nominal input voltage	$I_m \cong (VA/.89)/(V_{in} \times 80\%)$
Frequency	See Operating Characteristics section for details.	60 Hz depending on model
Output		
Line Regulation	$V_m > 80\%$ and $< 110\%$ of nominal	$\pm 3\%$ for 60 Hz units
Overload Protection	At Nominal Input Voltage	Current limited at 1.65 times rated current
Output Harmonic Distortion	At full load within input range	3% total RMS content
Noise Attenuation	-Common Mode	120 dB
	-Transverse Mode	60 dB
Let-Through	ANSI/IEEE C62.41 Class A & B Waveform	<10V typical
General		
Efficiency	At Full Load	92% Typical
Storage Temperature	Humidity <95% non-condensing	-20° to +85°C
Operating Temperature	Humidity <95% non-condensing	-20° to 40°C
Audible Noise	Full Resistive Noise	35 dBA to 65 dBA
Approvals	60 Hz Models	UL1012 ¹ , CSA (or cUL) ¹
Warranty	See General Information section for details	10 + 2 Years

Notes: 1 - Depending on model, see selection tables to confirm agency approvals for specific model numbers.

Selection Tables: Single Phase

Group A – MCR Portable Series, 60 Hz Only

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.

Back Panels



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



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

