

Features

- $\pm 5\%$ Voltage Regulation
- $\pm 15\%$ Accepted Input Voltage Range
- Overload Capacity up to 400% on Intermittent Startups
- Spike Suppressor Included
- Automatic Shut Off
- Quiet Operation and Minimal Heating
- Original Patents
- 99% Efficiency
- Immediate Correction Time (8 Milliseconds)
- LEDs / Digital Display with LEDs (Varies by Model)
- 1 - 2 kVA: Plug & 4 Outlets (NEMA 5-15R), 3 ~ 15 kVA: Input / Output Terminal Block (Clamps)

Solves the Following Power Quality Issues

- High Voltage Surge
- Low Voltage Surge
- Sustained High Voltage
- Sustained Low Voltage
- Electrical Noise
- Voltage Spikes

Applications

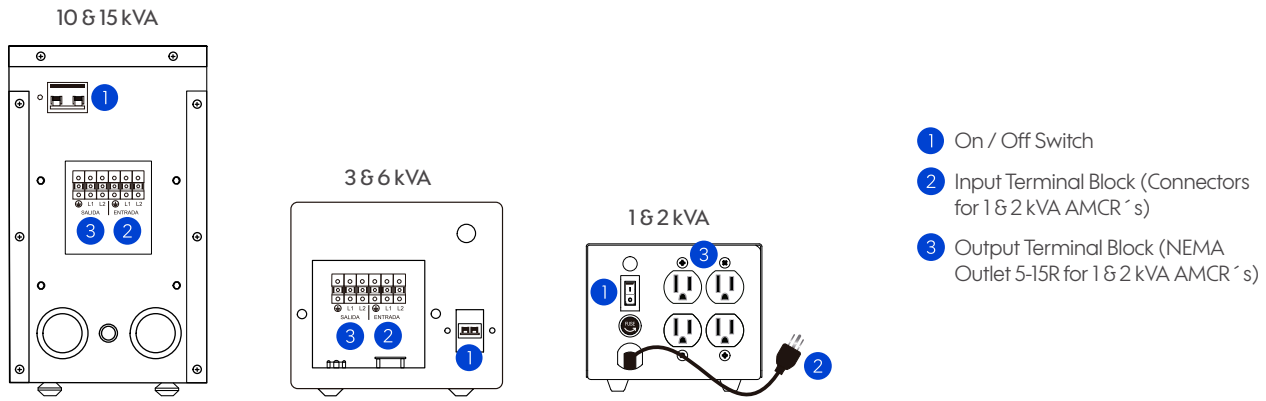
- Household Appliances
- Telecommunications
- Computer Equipment
- Robotics
- Audiovisual Equipment
- Medical and Laboratory Equipment
- Printers and Plotters
- Lighting Systems
- Automated Assembly Lines
- CNC Machines

Optional

- Electrical Parameter Reports: Voltage, Current, Power and kWh
- Isolation Transformer / Autotransformer



AMCR 5100 Datasheet



Model: AMCR	5101	5102	5103	5106	5110	5115
Input						
Capacity (kVA / kW)	1 / 1	2 / 2	3 / 3	6 / 6	10 / 10	15 / 15
Input Voltage (V)	120					
Overload Protection	Thermomagnetic switch on the output/ fuse (depends on the model)					
Range (Accepted)	± 15%					
Operational Frequency	60 Hz ± 10%, does not alter frequency*					
Harmonic Distorsion	Less than 2% THD					
Power Factor	Does NOT alter, adaptable to load requirement					
Output						
Voltage Regulation Range	± 5% (typical)					
Power Supply Impedance	Less than 2%					
Sustained High/Low Voltage Protection	Contactor or relay on the output, automatic shut off (depends on the model)					
Correction Time	Immediate, (8.3 milliseconds, 1/2 cycle)					
Reset	Automatic (programmed at factory)					
Reset Time	3 second standard time **					
Physical						
Recommended Use	Domestic, commercial and/or industrial, non vibratory, indoor use					
Input / Output Connectors	Plug & 4 outlets (NEMA 5-15R)			Terminal block (clamps)**		
Transformers	Electrolitic copper magnetic wire and silicon steel sheet					
Cooling & Ventilation	Natural convection					
Cabinet	Galvanized steel sheet metal					
Paint Finish	Primer and electrostatic epoxy powder coating					
Maximum Operating Altitude (mamsl)	3,000					
Operational Temperature (°C)	0 - 40					
Relative Humidity	0 - 95% without condensation					
Dimensions, height x width x depth (mm)	140 x 160 x 300		180 x 220 x 390		460 x 270 x 450	
Weight (kg)	4	6	10	14	24	32
Technology						
High Frequency Noise Protection	PI Filter					
Control Technology	Microcontroller					
Monitoring (Operational Status)	LEDs / Digital display with LEDs (depends on the model)					
Measurement Parameters	Voltage, current, power and kWh					
Electronic Conmutation	TRIACs					
Electrical						
Transformer	Type H					
Surge Suppressor	Varistors on the output					
Efficiency	98% minimum					
Overload Capacity	Up to 400% in intermittent startups					

* Tolerance available under evaluation of the Engineering department ** Factory configurable up to 6 kVA on request
 The specifications are subject to changes and modifications without prior notice, due to our commitment of continuous improvement of reliability, design and functionality of our products