

Features

- NEMA 3, IP 53 cabinet, for outdoor use
- Control based on DSP, high-speed and high-performance
- Voltage regulation $\pm 1.5\%$
- Input voltage range +/- 25%
- Regulation speed from 0.2 to 0.5 seconds
- Electromechanical technology
- Automatic disconnection
- Maintenance bypass
- Display with electrical parameter indicator
- Independent phase regulation with 3 servomotors
- Roller Carbon Brush Structure
- Wheels for easy installation
- Overload protection
- Lack of phase protection
- 98% efficiency

Solves the Following Power Quality Issues

- High Voltage Surge
- Low Voltage Surge
- Sustained High Voltage
- Sustained Low Voltage
- Phase losses
- Overload

Applications

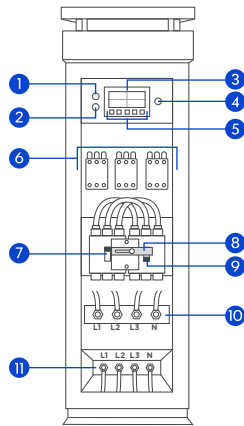
- Industrial Sector
- Commercial Sector
- Agricultural Sector
- Medical Equipment and Laboratories
- Schools, Buildings and Residences
- Communications and Telecommunications
- Video, Audio and Lighting

Optional

- Surge suppressor SPV-IND
- Energy Monitor MDE-IND
- Transformer for compatibility between electrical standards



AVR-IND 1300 Specs



- 1 Status indicator: Normal
- 2 Status indicator: Bypass
- 3 Digital display
- 4 Reset button
- 5 Navigation buttons
- 6 Contactors
- 7 On / off switch
- 8 Protection lock
- 9 Bypass switch
- 10 Output terminals
- 11 Input terminals

Modelo de AVR-IND	13100	13150	13200	13300	13500
Input					
Capacity (kW/kVA)	100/100	150/150	200/200	300/300	500/500
Input voltage (V)	127/220 (adjustable to: 110/190, 115/200, 120/208) o 277/480 (adjustable to: 230/400, 254/440, 266/460)				
Overload protection	Thermomagnetic switch at the input				
Accepted voltage range	+25%, -20%				
Operating frequency (Hz)	60 +/-10%, does not alter frequency*				
Harmonic distortion	No harmonic distortion				
Power factor	Does NOT alter, adaptable to load requirement				
Output					
Output voltage (V)	127/220 (adjustable to: 110/190, 115/200, 120/208) o 277/480 (adjustable to: 230/400, 254/440, 266/460)				
Voltage regulation range	+/- 1.5% (typical)				
Sustained high and low voltage protection	Contactor or relay at the output, automatic cutout				
Regulation speed (V/s)	40				
Reset	Automatic				
Reset time	Configurable from 1 min to 60 min				
Physical					
Connection type	Bars with 12 mm diameter screws for input and output connection				
Recommended use	Industrial grade, for stationary use, indoors and outdoors				
Transformers	H type				
Cooling and ventilation	Forced convection				
Level of protection	NEMA 3, IP 53				
Finishing and painting	Primary primer and black baked epoxy coating				
Maximum operating altitude (m.a.s.l.)	3,000				
Operating temperature (°C)	-20 ~ 50				
Relative humidity	< 90%				
Dimensions (mm), height x width x depth *127/220 V	1350 x 350 x 900	1680 x 400 x 1000	1900 x 550 x 1200	2000 x 650 x 1300	N.A.
Weight (kg), *127/220 V	291	380	559	680	N.A.
Dimensions (mm), height x width x depth *277/480 V	1350 x 350 x 900	1680 x 400 x 1000		1900 x 550 x 1200	2000 x 650 x 1300
Weight (kg), *277/480 V	258	365	400	630	880
Technology					
Operating technology	3 Servomotors independently controlled by a central control module based on DSP				
Monitoring (operating status)	Digital display				
Measuring parameters	Voltage, current and power				
Brushes	Roller carbon brush structure				
Electrical					
Regulation	Line to Line and Line to Neutral				
Efficiency	> 98%				
Overload capacity	Overload capacity 200% for 20 sec.				

* Tolerance available under evaluation of the Engineering department

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

V 072021 • Nortec SA de CV | InduStronic® All Rights Reserved 2021