Industronic
Energy in Evolution

AVR-IND 1300

Automatic Voltage Regulation
Three phase, 100 ~ 1000 kVA

3
Year
Warranty

Features

- NEMA 3, IP 53 cabinet, for outdoor use
- Control based on DSP, high-speed and high-performance
- Voltage regulation ± 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

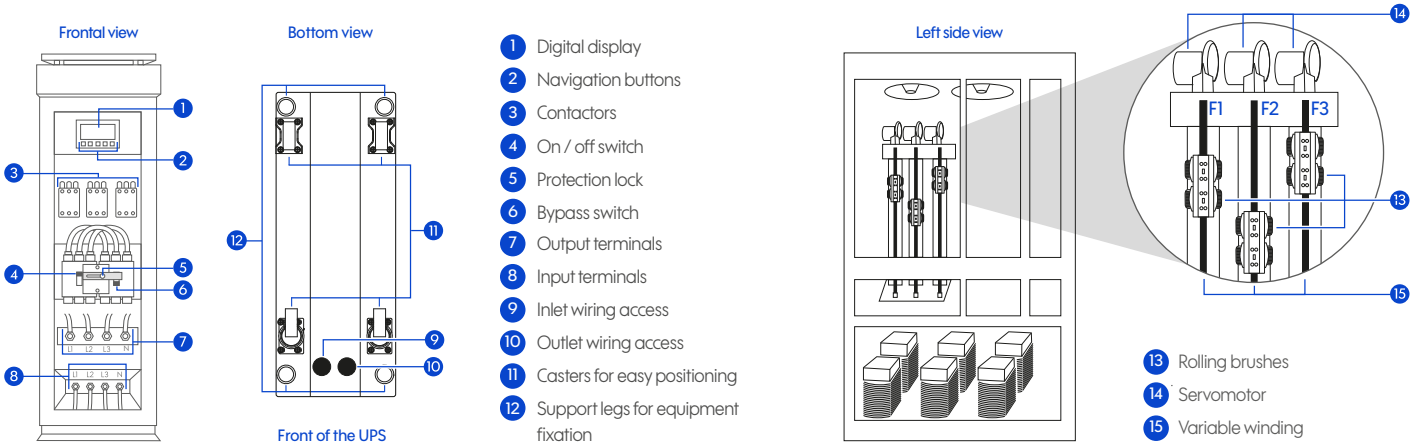
Applications

- 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
- Transformer for compatibility between electrical standards

AVR-IND 1300 Specs



1. Digital display
2. Navigation buttons
3. Contactors
4. On / off switch
5. Protection lock
6. Bypass switch
7. Output terminals
8. Input terminals
9. Inlet wiring access
10. Outlet wiring access
11. Casters for easy positioning
12. Support legs for equipment fixation
13. Rolling brushes
14. Servomotor
15. Variable winding

Modelo de AVR-IND	13100	13150	13200	13300	13500	13600	13800	131000
Input								
Capacity (kW/kVA)	100 / 100	150 / 150	200 / 200	300 / 300	500 / 500	600 / 600	800 / 800	1000 / 1000
Input voltage (V)	127/220 (adjustable to: 120/208)				127/ 220 o 277/480	277/480 (adjustable to: 254/440, 266/460)		
Overload protection	Thermomagnetic switch at the input							
Accepted voltage range	+/-25%(of nominal voltage)							
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: 120/208) o 277/480 (adjustable to: 254/440, 266/460)							
Voltage regulation range	+/- 1.5% (typical, of nominal voltage)							
Sustained high and low voltage protection	Contactor or relay at the output, automatic cutout							
Regulation speed (V/s)	40							
Correction time (s)	0.2 ~0.5							
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 voltage 127/220 V	1350 x 350 x 900	1680 x 400 x 1000	1900 x 550 x 1200	2000 x 650 x 1300	2150 x 800 x 1600		2150 x 1000 x 1900	2150 x 1200 x 1900
Weight (kg) voltage 127/220 V	291	380	559	680	1320	1650	1980	2600
Dimensions (mm) height x width x depth voltage 277/480 V	1350 x 350 x 900	1680 x 400 x 1000		1900 x 550 x 1200	2000 x 650 x 1300		2150 x 800 x 1600	
Weight (kg) voltage 277/480 V	258	365	400	630	880	998	1460	1720
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