



Illustrative photo

### General Features

- Efficiency 90%
- All connectors on the rear side
- Forced cooling
- Output voltage: 24, 48, 60, 110, 220 V DC
- Power factor: 0,98
- Constant characteristics of output current
- Possibility of a parallel connection of modules allowing even load distribution
- Ability to work independently from the control unit

### Applications

- Digital subscriber line (DSL)
- Data transmission, PBX
- Wireless switching centre and dating components

### Description

The AR 1000 rectifier is a highly efficient fan-cooled single-phase impulse power supply. This compact solution was designed to comply with all current international industrial and telecom standards. The module allows for an easy manipulation and a quick set up. The AR 1000 rectifier is designed to be used in parallel connection of numerous modules. Currents of rectifiers are partitioned in adjoint load.

The AR 1000 rectifier is available in a number of versions, depending on the output voltage (24VDC up to 220VDC). The maximum output current is available for the whole adjustable range of output voltage. All the connectors are placed on the back of the module.

## Technical data

AR 1000	24V DC	48V DC	60V DC	110V DC	220V DC
<b>Input</b>	<b>24V DC</b>	<b>48V DC</b>	<b>60V DC</b>	<b>110V DC</b>	<b>220V DC</b>
Voltage	230V AC.				
Frequency	50Hz, 47 ÷ 63Hz				
Current	Max. 7,5A (< 11 A <sub>PEAK</sub> )				
Efficiency	90%				
Power factor	cos φ 0,98				
EMC	EN 55022				
Safety	EN60950, IEC 950				
<b>Output</b>	<b>24V DC</b>	<b>48V DC</b>	<b>60V DC</b>	<b>110V DC</b>	<b>220V DC</b>
Nominal voltage	24V DC	48V DC	60V DC	110V DC	220V DC
Operating voltage @ 20°C	27,25 V	54,5 V	68,1 V	124, 85 V	245,5 V
Voltage range (selectable)	22 ÷ 29V DC	44 ÷ 58V DC	55 ÷ 72V DC	100 ÷ 130V DC	192,5 ÷ 269,5V DC
Output current	Max. 31 A	Max. 21 A	Max. 15 A	Max. 8 A	Max. 4 A
Voltage stability	± 0,3 V				
<b>System</b>	<b>24V DC</b>	<b>48V DC</b>	<b>60V DC</b>	<b>110V DC</b>	<b>220V DC</b>
Dimensions (hwd)	81 x 380 x 144 mm				
Weight	3,5 kg				
Ambient temperature	0°C ÷ +40°C				
Protection	IP 20				
Cooling	Forced (fan)				
<b>Communication</b>	<b>24V DC</b>	<b>48V DC</b>	<b>60V DC</b>	<b>110V DC</b>	<b>220V DC</b>
Visual	LED diodes				

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