



illustrative photo

## MAIN FEATURES

- Energy saving - high efficiency > 96%
- Digital DSP Controller
- Low installation height - only 1U
- Easy to install - hot-plug
- Quiet operation

## APPLICATIONS

- Industrial applications
- Control and monitoring systems
- Network communication stations

## DESCRIPTION

AR1500 series rectifiers are single-phase, high-efficiency, high-power density devices. They are optimized for systems requiring low height, shallow depth and a wide range of operating temperatures. Cooling is provided by a speed-controlled fan to reduce noise.

## TECHNICAL SPECIFICATION

Type of rectifier	AR1500-24	AR1500-110	AR1500-220
<b>Input</b>			
Voltage range	90 ÷ 300 V <sub>RMS</sub>		
Frequency range	45 ÷ 66 Hz		
Input protection	internal OVP, built-in fuses (L + N), high input voltage		
<b>Output</b>			
Nominal voltage	24 V <sub>DC</sub>	110 V <sub>DC</sub>	220 V <sub>DC</sub>
Voltage range	20 ÷ 29 V <sub>DC</sub>	90 ÷ 140 V <sub>DC</sub>	180 ÷ 280 V <sub>DC</sub>
Max. output power	1500 W		
Max. output current	55 A	14 A	7 A
Parallel cooperation	Yes / CAN		
Protection	high output voltage, overheat protection, overload protection		
<b>Control / Monitoring</b>			
Controller	DCS-100		
Local interface	LED diodes		
Communication interface	CAN		
<b>General information</b>			
Efficiency	96,4 %		
Dimensions	44,4 (1U) x 110 x 255 mm		
Weight	1,5 kg		
Cooling	forced (fan)		
<b>Other parameters</b>			
Ambient temperature	-25 up to +65 °C (from 55 °C power reduction)		
Relative humidity	max. 95 % non-condensing		
Degree of protection	IP20		
Safety standard	STN EN 62368-1		
EMC standard	EN 55032:2015, Class B EN 61204-3:2018 EN 61000-4-2/-3/-4/-5/-6/-8/-11		

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