

Voltage stabilizing converter for 24V

Vin 16...36V, 8A, 200W

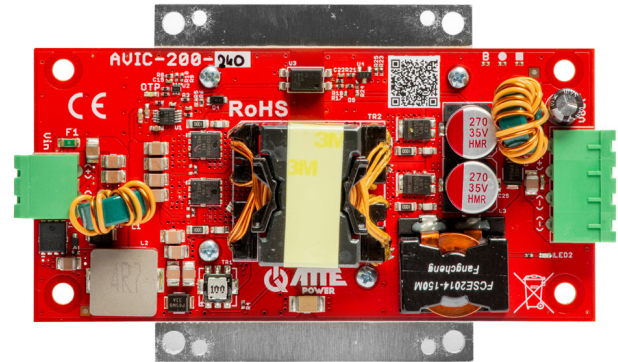
AVIC-200-240-OF is an isolated voltage stabilising converter. The converter provides a stable 24V voltage when connected to a power supply in the range of 16V to 36V.

The main application of the device is voltage stabilisation in 24VDC buffer systems. The circuit ensures safe operation of powered monitoring devices regardless of the battery charge level.

Galvanic isolation provides additional protection for the circuit and prevents interference from penetrating the AVIC module.

The converter is equipped with an aluminium heat sink that allows the device to be mounted on any flat surface.

The OF (Open Frame) design allows the device to be installed in any enclosure, but the most convenient way to mount it is to use dedicated ABOX series enclosures and mounting plates equipped with 10.8mm grid system holes.



FEATURES:

- wide input voltage range
- high module efficiency > 90%
- easy and quick start-up without the need for parameter configuration
- wide operating temperature range (-25°C...+65°C)
- signalling of output voltage and high module temperature
- small device size
- can be mounted on a flat surface



TECHNICAL SPECIFICATION:

Output voltage	24 VDC +/-5%
Input voltage	16...36 VDC
Efficiency	92% @Vin = 28 V, Pout = 200 W
Maximum power	200W
Maximum current	8A
Converter idle current	30 mA @Vin = 28 V
Protection	Surge protection Overload protection Thermal protection (80°C)
Isolation	1 kV
Operation indication	LED OTP (red) – the device exceeded a temperature of 70°C LED2 (red) – presence of power at the output
Housing Construction	None - built-in module (Open Frame)
Assembly	Snap-on distance plugs, mounting holes in 10.8 mm grid Wall-mounted using holes in the aluminium radiator
Operating Temperature	-25 ... +65°C
Dimensions	70 x 115 x 31 mm
Weight	0,14 kg

Example of using AVIC-200-240-OF to stabilization of 24V voltage from a buffer power supply.

