
ADC 4370 series



Battery charger/Power supply

- Microprocessor-controlled charging characteristics
- Customer-specific charging characteristics
- High degree of efficiency, up to 90%
- Serial and parallel connection
- Flexible and compact, low weight
- Mounting on DIN rail/base plate

ADC 4370 is a complete series of compact and stable power supplies that can be used in all sectors of industry, on ships and trains and in other places where strong power supplies and battery chargers are required. The rectifier has a very low ripple, a built-in serial diode and a microprocessor. A temperature-controlled fan and a robust construction ensure a long life.

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Technical specifications

Type	ADC4370 series
Input voltage	90...255 VAC *)
Power factor correction (PFC)	~1
Nominal output voltage	12 / 24 / 48 / 60VDC (adjustable)
Maximum output current	30 / 30 / 15 / 15 A
Maximum output voltage	<72 VDC
Maximum output power	800 W
Output stability at input 90-255VAC:	0.01%
Output stability at 0-100% load:	0.2V
Output voltage tolerance:	± 0.1%
Output ripple:	<30mV RMS
Hold-up time:	5 ms
Charging characteristics	Open/closed batteries, constant voltage/current
Options: (more options on request)	Charging characteristics (R124), RS-232 interface, master/slave connection, temperature compensation, alarm relay
Status indication (charger):	Low/high voltage, charging, battery charged
Insulation: Input – cabinet:	1250VAC
Input – output:	3750VAC
Output – cabinet:	500VAC
Standards:	EN55022B, EN60335-2-29 +A2
Labelling:	CE, FI
Cabinet:	Metal cabinet, IP20 (Option: table model with handle)
Dimensions:	230 x 112 x 73 mm
Weight:	1.5 kg
Mounting:	DIN rail, wall/back plate, 19" (3HE)
Forced cooling:	Temperature-controlled fan

Temperature range, operation:	-25°C...+40°C
Options:	Potential-free alarm relay:
	Temp. adjusted charging volt.:
	Analogue remote control (0...5VDC):

*) Reduced power if input voltage is in the range 90...196 VAC