



ADC 5000 Series Battery charger/Power supply

- 12, 24, 48 VDC output voltage
- 60, 125 and 250W output power
- DIN rail or base plate mounting
- Switch mode technology
- Temperature compensated charging voltage
- Alarm relay

ADC 5000 is a series of compact and stable power supplies suitable for all types of industrial application. Suitable for battery chargers with very low ripple, built-in series diode and temperature regulated output voltage. LED indication for supply output voltage. Stable, mechanical construction, high efficiency, and convection cooling ensure long service life. Available with 12, 24, and 48 VDC output voltage. Manufacturer POWERNET.

ADC type ¹⁾	Voltage Nominal [VDC]	Voltage Battery Charger [VDC]	Voltage Power Supply [VDC]	Current [A]*	Dimensions WxHxD [mm]
56xy (60W)	12	13.7	10.5...15	5	50x120x80
50xy (125W)	12	13.7	9...15	10	66x148x113
53xy (250W)	12	13.7	9...15	20	75x172x122
57xy (60W)	24	27.4	21...29	2.5	50x120x80
51xy (125W)	24	27.4	21...29	5	66x148x113
54xy (250W)	24	27.4	21...29	10	75x172x122
58xy (60W)	48	54.8	45...58	1.25	50x120x80
52xy(125W)	48	54.8	45...58	2.5	66x148x113
55xy (250W)	48	54.8	45...58	5	75x172x122

Technical Specifications				*Max. current limit is approx. 10% higher than nominal					
Power:	60W			125W			250W		
Voltage:	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
Input (AC):	90...264VAC/45...65Hz			94...132VAC or 184...264VAC (reverser)/45...65Hz					
Ripple [mVDC rms]:	<15	<10	<10	<15	<10	<10	<15	<10	<10
Regulation, 0...90%:	<1.5%	<0.5%	<0.5%	<1.0%	<0.5%	<0.5%	<1.0%	<0.5%	<0.5%
Hold-up time [ms]:	>50	>50	>50	>20	>20	>20	>20	>20	>20
Indication:	Green LED = DC output "OK"								
Alarm relay:	Power fail/low output voltage: Potential free change-over switch, 24VDC/0.3A or 30VAC/0.5A								
Temperature range:	-40...+55°C at full power without derating								
Connection:	Connectors/clamps, max 2.5mm ² (connector enclosed)								
Labelling:	EN 60950 class 1, EN 55022 class B, ETS 300 019-2-4 class 4 M5								
Enclosure:	Perforated steel/aluminium, IP20								

X selection code	2 = Power supply/DIN rail 3 = Power supply/Wall	8 = Battery charger/DIN (incl. temp. sensor) 9 = Battery charger/Wall (incl. temp. sensor)
Y selection code	1 = Alarm relay (standard)	3 = Alarm relay + series diode



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