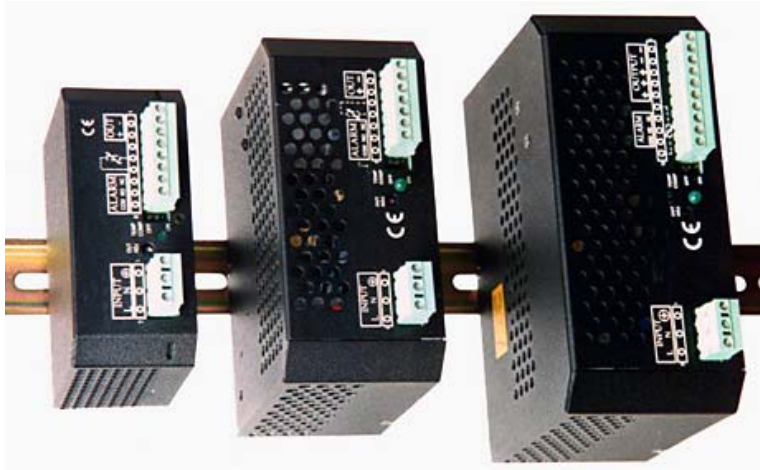




ADC5*** family

*AC/DC Switch Mode Power Supplies and Battery Chargers
For Industrial and Telecom Applications*



60, 125 and 250 W

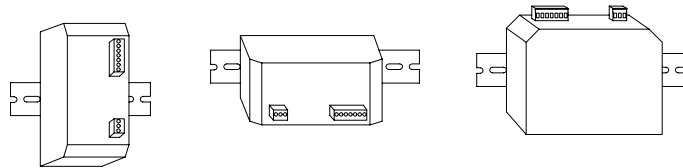
Input voltage 230 and 115 VAC
Output voltages 12, 24 or 48 VDC
Wide output adjustment range
Power supply and charger models
DIN-rail space only 51, 66 or 75 mm
Series and parallel use possible
Efficiency depending on type 82...90%
Operating temperature -40 °C...+55 °C
EMC EN55022B (telecom)



24V 5A and
10A models

FREE INSTALLATION CHOICE

Due to movable DIN –rail connectors
ADC5000-series modules can be flexibly
installed to the available space



POWER SUPPLIES AND BATTERY CHARGERS					
Type *) see below	Output voltage Power supplies	Output voltage Chargers	Output voltage Adjustment	Output Current	Mechanics (X) / Dimensions (Width x Height x Depth)
ADC56xy	12 VDC	13.7 VDC	10.5...15 VDC	5 A	DIN / Wall / 51 x 121 x 81 mm
ADC50xy	12 VDC	13.7 VDC	9...15 VDC	10 A	DIN / Wall / 66 x 148 x 113 mm
ADC53xy	12 VDC	13.7 VDC	9...15 VDC	20 A	DIN / Wall / 75 x 173 x 122 mm
ADC57xy	24 VDC	27.4 VDC	21...29 VDC	2.5 A	DIN / Wall / 51 x 121 x 81 mm
ADC51xy	24 VDC	27.4 VDC	21...29 VDC	5 A	DIN / Wall / 66 x 148 x 113 mm
ADC54xy	24 VDC	27.4 VDC	21...29 VDC	10 A	DIN / Wall / 75 x 173 x 122 mm
ADC58xy	48 VDC	54.8 VDC	45...58 VDC	1.25 A	DIN / Wall / 51 x 121 x 81 mm
ADC52xy	48 VDC	54.8 VDC	45...58 VDC	2.5 A	DIN / Wall / 66 x 148 x 113 mm
ADC55xy	48 VDC	54.8 VDC	45...58 VDC	5 A	DIN / Wall / 75 x 173 x 122 mm
8750230A	Finger protected power cord for ADC5000-series models				

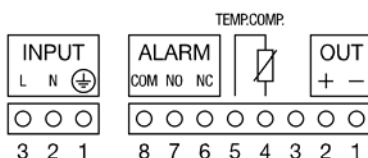
X selection code: 2 = Power supply / DIN-rail 8 = Battery charger / DIN-rail (includes temp. comp.)
3 = Power supply / Wall 9 = Battery charger / Wall (includes temp. comp.)
Y selection code: 1 = Power Fail (basic model) 3 = Power Fail + Output series diode

Optional: ADC5000 R-versions for rugged environment. Type number for example ADC5631R

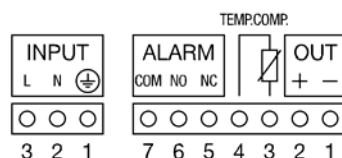


	60W			125W			250W		
	12V	24V	48V	12V	24V	48V	12V	24V	48V
INPUT									
Input voltage	90...264 VAC wide input range			94...132 VAC or 184...264 VAC selectable by switch					
Frequency	45...65Hz								
Input current, 100% load, 230VAC	0.7A			1.3A			2.5A		
Input current, 100% load, 115VAC	1.2A			2.2A			4.2A		
Inrush current (25°C), 230VAC	<25A <5ms			<45A <5ms			<35A <5ms		
Inrush current (25°C), 115VAC	<12A <10ms			<22A <10ms			<17A <10ms		
Input fuse	T2A, high breaking			T6.3A, high breaking					
Overvoltage transient protection	VDR 275VAC 72J								
OUTPUT									
Output voltage, PSU (50% load)	12V	24V	48V	12V	24V	48V	12V	24V	48V
Output voltage, chargers (50% load)	13.7V	27.4V	54.8V	13.7V	27.4V	54.8V	13.7V	27.4V	54.8V
Output adjustment (typical)	10.5...15V	21...29V	45...58V	9...15V	21...29V	45...58V	9...15V	21...29V	45...58V
Ripple voltage (20Hz...300kHz, 25°C)	<10mV _{rms}	<10mV _{rms}	<10mV _{rms}	<15mV _{rms}	<10mV _{rms}	<10mV _{rms}	<15mV _{rms}	<10mV _{rms}	<10mV _{rms}
Load regulation (without series diode)	<1.0 %	<0.5 %	<0.5 %	<1.0 %	<0.5 %	<0.5 %	<1.0 %	<0.5 %	<0.5 %
Line regulation	< 0.15 %, U _{inmin} ...U _{inmax}								
Temperature coefficient	< 0.02 % / °C								
Current limit	<8A	<4A	<2A	<11A	<6A	<3A	<22A	<11A	<6A
Short circuit current	<14A	<9A	<6A	<16A	<10A	<6A	<27A	<14A	<7A
Hold-up time (230VAC, 100% load)	>50ms	>50ms	>50ms	>20ms	>20ms	>20ms	>20ms	>20ms	>20ms
ALARMS AND INDICATIONS									
Output OK	Green LED								
Power Fail	Relay contacts Normally Open and Closed, Activated at AC fail and module fail cases Relay contact rating: 24VDC/0.3A or 30VAC/0.5A								
Series diode at output	Output can be equipped with internal series diode, see selection code (Y)								
Optional Shutdown	Shutdown by external voltage 4...15VDC								
Temperature compensation (chargers)	By external NTC resistor 2.2 kOhm								
MECHANICAL									
Dimensions (w x h x d)	51 x 121 x 81 mm			66 x 148 x 113 mm			75 x 173 x 122 mm		
	Can be installed both horizontally and vertically (3 different installation choices)								
Weight	360 g			840 g			1.3 kg		
Enclosure	Steel / aluminium enclosure IP20								
Connectors	Removable 2.5 mm ² screw terminals								
OTHER									
Efficiency, typical (230 VAC, 100% load)	>82%	>83%	>84%	>85%	>88%	>89%	>85%	>89%	>90%
Safety	EN 60950 class 1								
Isolation	Input / ground 1500 VAC RMS 50Hz, 1min Input / output 3000 VAC RMS 50Hz, 1min Output / ground 500 VDC								
EMC	EN 55022 class B								
Approvals	CE-marking, cUL 24V/5A and 24V/10A models								
Storage temperature	-40°C...+65°C								
Operation temperature	-40°C...+55°C								
Humidity	85% RH IEC68-2-30								
Cooling	Natural convection								
Shock and vibration	ETS 300 019-2-4, class 4M5								

CONNECTORS 60 W



125 W



250 W

