

ADC4370 / ADC4210 SERIES

Microprocessor controlled battery chargers and power supplies



800W and 600W

High power density

Light weight 1.5kg

Built in PFC

Series/parallel connection

Master/slave connection

EMC EN55022B

Wall/DIN/Bench mounting

STANDARD POWER SUPPLIES AND CONSTANT VOLTAGE CHARGERS

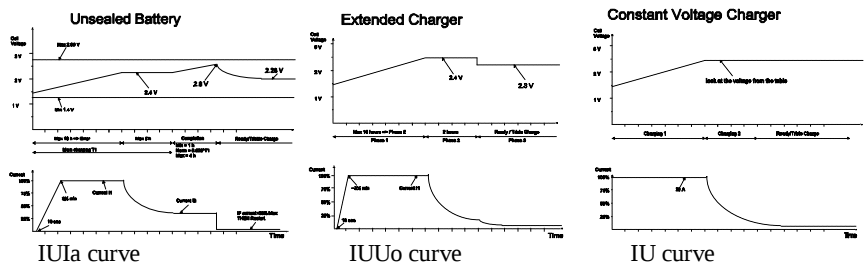
Type (Refer curves next page)	Input voltage (*)	Nominal output voltage	Voltage setting range	Max output current	Current limit setting	Max power	Installation / dimensions (Width x Height x Depth, mm)
ADC4370/12	50...260 VAC	12 VDC	0-18VDC	50 A	0-50A	800W	Wall/Din/Bench 220x112x73
ADC4370/24	50...260 VAC	24 VDC	0-36VDC	30 A	0-30A	800W	Wall/Din/Bench 220x112x73
ADC4370/36	50...260 VAC	36 VDC	0-54VDC	20 A	0-20A	800W	Wall/Din/Bench 220x112x73
ADC4370/48	50...260 VAC	48 VDC	0-72VDC	15 A	0-15A	800W	Wall/Din/Bench 220x112x73
ADC4370/72	50...260 VAC	72 VDC	0-100VDC	10 A	0-10A	800W	Wall/Din/Bench 220x112x73
ADC4370/96	50...260 VAC	96 VDC	0-120VDC	7.5 A	0-7.5A	800W	Wall/Din/Bench 220x112x73
ADC4210	50...260 VAC	Fixed voltage 0-36V		20 A	-	600W	Wall/Din/Bench 220x112x73

*) Reduced power 50...200VAC, see curve next page
Also DC input 50...260VDC, max power 600W

CHARGERS FOR CYCLIC BATTERY CHARGING

- ?? Cyclic Charging algorithms
- ?? 16 different algorithms in one unit
- ?? More than 1000 algorithms available for typical batteries
- ?? Customized algorithms available

Please inform voltage, charging time, battery size and type when ordering



INTELLIGENT OPTIONAL MODELS

- ?? RS-232 interface, master-slave connection, remote control
- ?? Analog control by external 0-5VDC voltage, D-connector
- ?? Temperature compensation, Sense, IP 44 enclosure

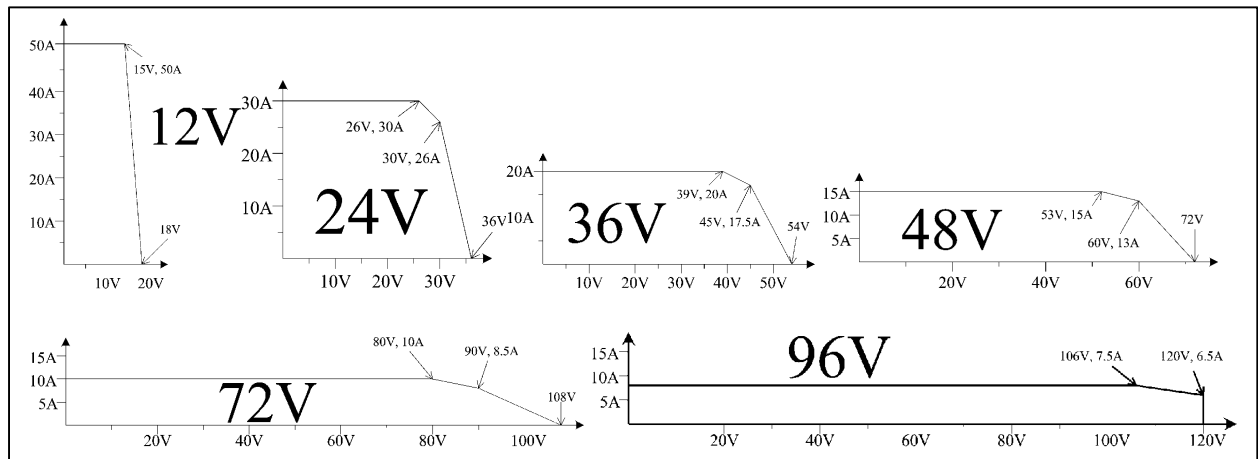


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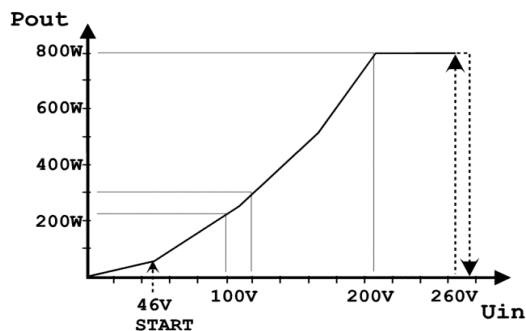
Local Distributor:

TECHNICAL DATA

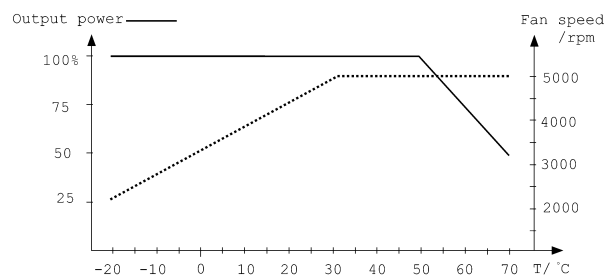
Input voltage	50...260 VAC (50...200VAC reduced power, see curve below) 50...260 VDC/max 600W (50...200VDC reduced power)													
Input current	600W / 3.5A, 800W / 4.5A													
Power factor	>0.99													
Efficiency (230VAC, 10...100% load)	85...90%													
Inrush current	<30A, cold start													
Line regulation	± 0.1%													
Load regulation	± 0.5%													
Output setting accuracy	± 0.1%													
Output ripple (f > 50Hz)	<50mVrms													
Hold up time	> 5ms													
Status LED indication	<table> <tr> <td>Power supplies / CV chargers</td><td>Yellow led</td><td>Power OK</td></tr> <tr> <td>Cyclic chargers</td><td>Red led</td><td>Too low or high battery</td></tr> <tr> <td></td><td>Yellow led</td><td>Charging</td></tr> <tr> <td></td><td>Green led</td><td>Full charge</td></tr> </table>		Power supplies / CV chargers	Yellow led	Power OK	Cyclic chargers	Red led	Too low or high battery		Yellow led	Charging		Green led	Full charge
Power supplies / CV chargers	Yellow led	Power OK												
Cyclic chargers	Red led	Too low or high battery												
	Yellow led	Charging												
	Green led	Full charge												
Isolations	Input - chassis	1500VAC												
	Input - output	3750VAC												
	Output - chassis	500VAC												
Standards	Safety	EN60335-2-29 +A2												
	EMC	EN55022B, EN50081-1, EN50082-2												
Approvals	CE marking all models FI mark 24V, 36V and 48V versions													
Protection class	Mechanical	IP21 metal enclosure, optional IP44												
	Electrical	Class I												
Dimensions	l x w x h	220 x 112 x 73 mm												
Weight	1,5kg													
Mounting	DIN-rail, wall, bench													
Cooling	Temperature controlled fan													
Operating temperature range	Full power typically	-25°C...+50°C												
	Reduced power	+50...+ 70°C, see curve below												



Nominal output voltage / current characteristics 800W models



Output power / input voltage derating curve



Output power (typical) and fan speed vs ambient temperature