

ADC7520 SERIES

Microprocessor controlled battery chargers and power supplies

1600W / 0-72VDC



High power density
 Light weight 1.9kg
 Built in PFC
 Control by analog input 0-5V
 Series/parallel connection
 Master/slave connection
 EMC EN55022B
 Wall/Bench mounting

POWER SUPPLIES AND CONSTANT VOLTAGE CHARGERS, TRIMMER ADJUSTMENT							
Type	Input voltage *)	Nominal output voltage	Voltage setting range	Max output current	Current limit setting	Max power	Installation / dimensions (Width x Height x Depth, mm)
ADC7520/24	50...260 VAC	24 VDC	0-36 VDC	60 A	0-60 A	1600W	Wall//Bench 267x135x85
ADC7520/36	50...260 VAC	36 VDC	0-54 VDC	45 A	0-45 A	1600W	Wall//Bench 267x135x85
ADC7520/48	50...260 VAC	48 VDC	0-72 VDC	30 A	0-30 A	1600W	Wall//Bench 267x135x85

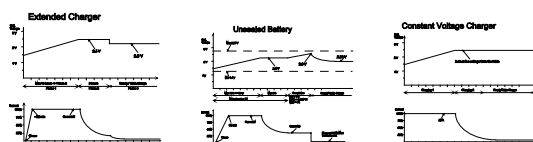
*) Reduced power 50...200VAC
 Also DC input 50...260VDC

INTELLIGENT OPTIONAL MODELS (24V models as a type number example)		
Type	Option description	Cable set included
ADC7520/24AI	Analog control by external 0-5VDC voltage. Control signal isolated from PSU input and output	1.5 m, modular connector

MASTER-SLAVE CONNECTION	
Master units *)	Slave unit
ADC7520/24 trimmer adjustment, RS-232 bus out	ADC7520/24S RS-232 control bus in and out
ADC7520/24AI analog control, RS-232 bus out	
Cable set for master slave connection included in slave unit type number, 0.6m modular connectors in both ends	

CUSTOMISED VERSIONS AVAILABLE

- Cyclic battery chargers including the charging algorithms
- Temperature compensation, Sense



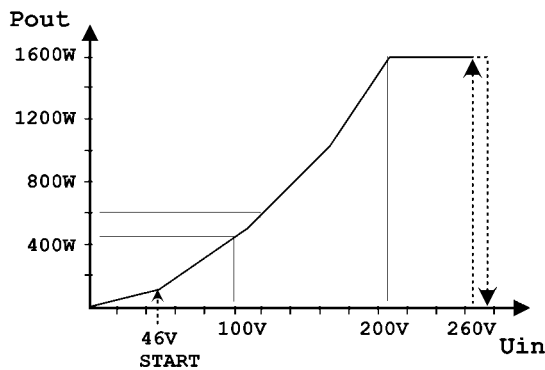
POWERNET



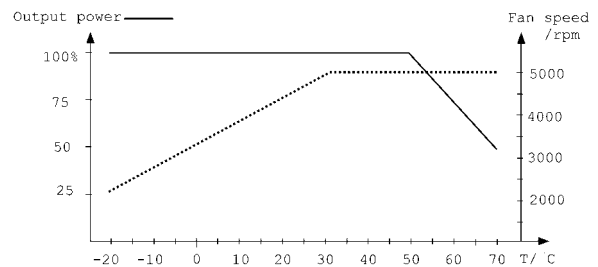
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TECHNCAL DATA

Input voltage		50...260 VAC (50...200VAC reduced power, see curve below) 50...260 VDC (50...200VDC reduced power)
Input current		9 A
Power factor		>0.99
Efficiency (230VAC, 10...100% load)		> 88%
Inrush current		<30A, cold start
Line regulation		0.01%
Load regulation		0.2V
Output setting accuracy		± 0.1%
Output ripple (f > 50Hz)		<30mVrms
Hold up time		> 5ms
Status LED indication	Standard models	Orange Power OK LED
	Cyclic chargers	Three color LED, red-yellow-green
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
Protection class	Mechanical	IP20 metal enclosure
	Electrical	Class I
Connectors	Input	Input power cord
	Output	10 m ² 2m output cables
Dimensions	l x w x h	267 x 135 x 85 mm with rubber ends
Weight		1,9kg without output cables
Mounting		Wall, bench
Cooling		Temperature controlled fan
Operating temperature range	Full power typically	-25°C...+40°C
	Reduced power	+40...+ 70°C, see curve below
Humidity		0...95%, non condensing



Output power / input voltage derating curve



Output power and fan speed vs ambient temperature