

SERIE 5

Advanced line - Wa - WOWa - WO pulse



SUITABLE BATTERIES

PzS wet lead acid

STANDARD AVAILABLE SIZES

Output Voltage

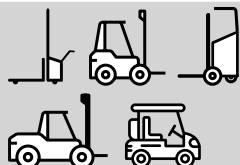
from 12V up to 120V
any other V: on demand

Output Current

from 10A up to 300A
Amps depending on V ratio and max
power in kVA

See technical chart for absorption, plugs and
recommended mains fuses by size.

MAIN APPLICATIONS



AH RECHARGE TABLE

A	Ah (C5)						
	WA			WOWA FAST		WO PULSE	
	9h	12h	13-14h	7h	8h	6.5-8h	8-11h
30	154	198	220	148	159	129-162	162-229
40	206	265	294	197	211	173-215	215-305
50	257	331	367	246	264	216-269	269-381
60	308	397	441	296	317	259-323	323-458
70	360	463	514	345	370	302-377	377-535
80	411	529	588	394	423	345-431	431-611
90	462	595	661	444	476	388-485	485-688
100	514	661	735	493	529	431-539	539-764
110	565	727	808	542	582	475-593	593-841
120	617	794	882	591	634	518-646	646-917
130	668	860	955	641	687	561-700	700-993
140	719	926	1029	690	740	604-754	754-1069
150	771	992	1102	739	793	647-808	808-1146
160	822	1058	1176	788	846	690-862	862-1222
170	873	1124	1249	838	899	734-916	916-1299
180	925	1190	1322	887	952	777-970	970-1375
200	1028	1323	1469	986	1057	863-1077	1077-1528
220	1130	1455	1616	1084	1163	949-1185	1185-1681
240	1233	1587	1763	1183	1269	1035-1293	1293-1833

PRODUCT INTRO

Series 5 represent the upgrade into “Advanced” conventional Wa ranges respectively.

The range features programmable 5-LED board with internal memory, enhanced charging algorithms and USB (setting/troubleshooting/ data-report via PC). The integrated digital display permits the complete controlling, programming and troubleshooting in real time.

Series 5 Fast offers our top level conventional charger specifically aimed for quick charge necessities (multiple shift operations) declined into “W0-Pulse” or “W0Wa” DIN 41774 charging characteristics.



GENERAL CHARACTERISTICS

Mains	1phase 230Vac ± 5% – 3phase 400Vac ± 5% / 50Hz
Visual signalling	5 LED advanced visualization and integrated display for programming, diagnostic and consulting data storage
Main features	• Automatic start, charging process and shutoff • Universal Electronic Board with advanced digital setting (by display or keypad): profile thresholds / termination mode / equilization mode / delay start / cable compensation • Final charging stage (adjustable in respect of battery usage): temporal, capacitive (CF% and AH accumulated), derivative dv/dt • Leakage power transformer • Wa (DIN 41774), W0Wa (DIN 41774) or W0 pulse charging profile
Operating temperature	0° to +40°C (heavy climate version available)
Efficiency	82/88% depending on power involved
Certifications	CE in conformity with LV and EMC protocols

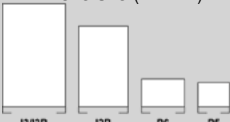
SAFETY FEATURES

Output protection	Reverse polarity protection: fuse
Thermal protection	Leakage power transformer (class F) provided with thermal probes
General protection	Double security timer: gassing point / max charging duration Additional thermal protection based on algorithm managed by electronic board Delayed start to avoid sparks

OPTIONALS

Protection cage, air system, water fill contacts, external lamp, pilot contact
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MECHANICAL CHARACTERISTICS

Protection degree	IP 21
Weight	Depending on model size
Input cable	2,3 m (length) +/- 10% – AC plug on demand Schuko plug included on models up to 16A current draw
Output cables	2,3 m (length) +/- 10% – DC plug on demand
Dimensions (LxWxH)	 - I3: 700 x 550 x 1150 mm - I3R: 600 x 550 x 1050 mm - I2B: 550 x 450 x 900 mm - P6: 480 x 280 x 310 mm - P5: 350 x 220 x 270 mm