

# SERIE 5 FAST

WOWa - WO pulse



## SUITABLE BATTERIES

PzS wet lead acid

## MAIN APPLICATIONS



## STANDARD AVAILABLE SIZES

Output Voltage	Output Current
from 12V up to 120V	from 10A up to 300A
any other V: on demand	Amps depending on V ratio and max power in kVA

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

## AH RECHARGE TABLE

### WOWA FAST

A	>>>	30 A	40A	50A	60A	70A	80A	90A	100A	110A	120A
Ah (C5)	7h	148	197	246	296	345	394	444	493	542	591
	8h	159	211	264	317	370	423	476	529	582	634
A	>>>	130A	140A	150A	160A	170A	180A	190A	200A	210A	220A
Ah (C5)	7h	641	690	739	788	838	887	936	986	1035	1084
	8h	687	740	793	846	899	952	1004	1057	1110	1163

### WO PULSE

A	>>>	60A	70A	80A	90A	100A	110A	120A	130A
Ah (C5)	6,5-8h	259-323	302-377	345-431	388-485	431-539	475-593	518-646	561-700
	8-11h	323-458	377-535	431-611	485-688	539-764	593-841	646-917	700-993
A	>>>	140A	150A	160A	170A	180A	200A	220A	240A
Ah (C5)	6,5-8h	604-754	647-808	690-862	734-916	777-970	863-1.077	949-1185	1035-1293
	8-11h	754-1069	808-1146	862-1222	916-1299	970-1375	1.077-1528	1185-1681	1293-1833

## PRODUCT INTRO

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

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.



## GENERAL CHARACTERISTICS

<b>Mains</b>	1phase 230Vac ± 5% - 3phase 400Vac ± 5% / 50Hz
<b>Visual signalling</b>	5 LED advanced visualization + integrated DISPLAY for programming, diagnostic and consulting data storage
<b>Main features</b>	<ul style="list-style-type: none"> <li>• Automatic start, charging process and shutoff</li> <li>• Universal Electronic Board with advanced digital setting (by display or keypad): profile thresholds / termination mode / equilization mode / delay start / cable compensation</li> <li>• Final charging stage (adjustable in respect of battery usage): temporal, capacitive (CF% and AH accumulated), derivative dv/dt</li> <li>• Leakage power transformer</li> <li>• WOWa (DIN 41774) or WO pulse charging profile</li> </ul>
<b>Operating temperature</b>	0° to +40°C (heavy climate version available)
<b>Efficiency</b>	82/88% depending on power involved
<b>Certifications</b>	CE in conformity with LV and EMC protocols

## SAFETY FEATURES

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

## MECHANICAL CHARACTERISTICS

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



## STD FEATURES/OPTIONALS

ADVANCED LINE	SERIE 5
<b>Integrated display</b>	✓
<b>Keypad</b>	INCL.
<b>Delta/Star switch</b>	✓
<b>Cable holder</b>	✓
<b>USB port</b>	✓
<b>Protection cage</b>	⊕
<b>IP54 cabinet</b>	⊕
<b>Air system (EUW)</b>	⊕
<b>Water fill contacts</b>	⊕
<b>External lamp</b>	⊕
<b>Pilot contact</b>	⊕

X= not available ✓= standard feature ⊕= on demand