

SERIE 3-IP



Advanced line - Wa



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 Max power in kVA = 12,8* *(higher on demand)

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

AH RECHARGE TABLE

A	>>>	15A	20A	25A	30A	40A	50A	60A	70A	80A	90A	100A	110A	120A	130A
Ah (C5)	9h	77	103	128	154	206	257	308	360	411	462	514	565	617	668
	12h	99	132	165	198	265	331	397	463	529	595	661	727	794	860
	13-14h	110	147	184	220	294	367	441	514	588	661	735	808	882	955

A	>>>	140A	150A	160A	170A	180A	190A	200A	210A	220A	230A	240A	250A	260A	280A
Ah (C5)	9h	719	771	822	873	925	976	1028	1079	1130	1182	1233	1284	1336	1439
	12h	926	992	1058	1124	1190	1256	1323	1389	1455	1521	1587	1653	1719	1852
	13-14h	1029	1102	1176	1249	1322	1396	1469	1543	1616	1690	1763	1836	1910	2057

PRODUCT INTRO

Serie 3-IP represents the upgrade into “Advanced” conventional Wa ranges. The IP54 line grants highest protection from dust and water sprays.

This special cabinet is ideal for outdoor application or airport charging stations. This series features programmable board with internal memory, enhanced algorithms and USB (setting/troubleshooting/data-report). Security features involves both mechanical and software solutions.



GENERAL CHARACTERISTICS

Mains	1phase 230Vac ± 5% - 3phase 400Vac ± 5% / 50Hz (any other on demand)
Visual signalling	5 LED advanced visualization with EAV (easy alarm visualization) and data memory system. See more details on below standard features/optionals table.
Main features	<ul style="list-style-type: none"> • Automatic start, charging process and shutoff • Universal Electronic Board with advanced digital setting (by display or keypad): profile thresholds / termination mode / equalization 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 charging profile (DIN 41774)
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 Battery detection with safety powering

MECHANICAL CHARACTERISTICS

Protection degree	IP54
Weight	Depend on model size
Input cable	2,3 m (length) +/- 10% AC plug on demand
Output cables	2,3 m (length) +/- 10% DC plug on demand
Dimensions (mm)	<p>M 12-8-4: 400 (w) 1200 (h) 800 (l) mm</p> <p>M 10-6-4: 400 (w) 1000 (h) 600 (l) mm</p>



M 12-8-4



M 10-6-4

STD FEATURES/OPTIONALS

ADVANCED LINE	SERIE 3-IP
Integrated display	X
Keypad	⊕
Delta/Star switch	⊕
Cable holder	⊕
WOWA/Pulse	⊕
IP54 cabinet	✓
External roof	⊕
Air system (EUW)	⊕
Water fill contacts	⊕
External lamp	⊕
Pilot contact	⊕

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