

SERIE 2 Basic line - Wa

CODING (example)

	MODEL	V	A
▼	▼	▼	▼
1PH	2SPM	24	60
3PH	2SPT		

SUITABLE BATTERIES

PzS wet lead acid

EXPECTED RECHARGE TIME

9-13H

MAIN APPLICATIONS



SERIE 2



PRODUCT INTRO

Serie 2 is the basic conventional Wa DIN 41774 range that grants our best balance between price and performance, aimed for markets demanding flexible products.

As entry level Serie 2 features universal 4-LED board, fix 3h temporal charge and compact casings (*).

(* up to specific V/A sizes). All security features on components are the same of top series

STANDARD AVAILABLE SIZES (VOLTAGES AND CURRENT)

VOLTAGE from	12V	up to	96V	any other V : on demand (contact our sales / technical dept)
CURRENT from	10A	up to	180A*	*Amps depending on V ratio and max power in kVA
POWER up to	26kVA			

"none standard" Input Vac = available on demand / 60Hz = available on demand

TECHNOLOGY

Flux disperse power transformer - taper charger

Wa charging profile (DIN 41774)

Electronic charge control by microprocessor

Input voltages available: 1phase 230Vac ± 5% - 3phase 400Vac ± 5% / 50Hz

Cabinet protection degree: IP21

Efficiency: 0,82 /0,88 depending on power involved

Operating temperature: -0° to +40° C no derating

Storage temperature: -5° to +40°C

Max Humidity: 90% without condensation RH

STANDARD EQUIPMENTS / INTERFACES

Automatic start, charging process and shutoff

Basic 4 LEDs visualization with EAV (easy alarm visualization)

Universal Electronic Board with equalisation setting (dipswitch on PCB)

Final charging stage: Temporal (3h fixed time)

Delayed start to avoid sparks

SAFETY FEATURES

Reverse polarity protection: fuse

Flux dispersion power transformer (class F) provided with thermal probes

Double security timer: gassing point / max charging duration

Ah recharge table

Output current A	Ampere Hours (C5) Ah		
	9h	12h	13h
10 A	50	67	72
15 A	74	100	107
20 A	99	133	143
25 A	124	167	179
30 A	149	200	215
40 A	198	267	286
50 A	248	333	358
60 A	297	400	430
80 A	396	533	573
100 A	495	667	716
120 A	594	800	859
140 A	693	933	1.003
160 A	792	1.067	1.146
180 A	891	1.200	1.289

Chart valid for 50Hz Taper chargers
Ah values referred to an 80% discharged
PzS wet (lead acid) traction battery and
can be considered for any nominal volta-
ge of the charger (Vdc) either 230Vac or
400Vac input.

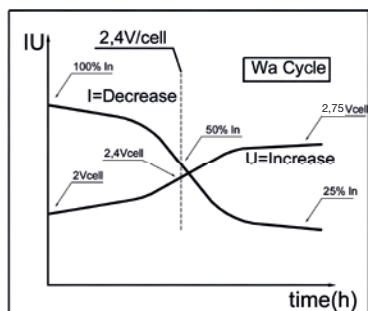
Standard VAC Mains:

single-phase 220(230)240 Vac
three-phase 380(400)420 Vac

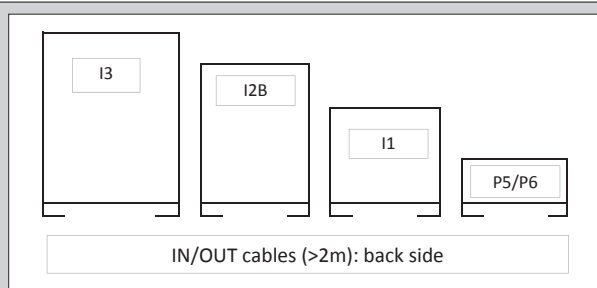
Consumption & additional information:

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

Wa (DIN41774) charging profile



Casing



Dimensions (Case) mm.

P5:	L350 X D220 X H270
P6:	L480 X D280 X H310
I1:	L550 X D390 X H660
I2B:	L550 X D450 X H900
I3R:	L600 X D550 X H1050
I3:	L700 X D550 X H1150