

SE Series



BATTERY TYPE
PzS Wet (Lead Acid)
CHARGING TIME
0-12H

APPLICATIONS
 



TECHNICAL FEATURES

Power Supply: <ul style="list-style-type: none"> Single Phase 220-230-240-255 Vac / 50-60Hz Three Phase 380-400-420 V / 50-60 Hz 	Tropicalized stray-flux transformer impregnated with non-toxic resins and kiln dried
Microchip Microcontroller PIC16™/PIC18™	Automatic equalization charge to prevent sulphation
Maintenance charge to prevent battery self-discharge	Automatic restart after overheat anomaly or power supply interruption
Cabinet protection IP21	WA Charging curve

SAFETY FEATURES

Short circuit and reverse polarity protection with fuse	Overheat protection with thermal probes and control card
Double safety timer	Error codes visualization on display
Safe battery disconnection during charge	Battery health check before charge begins
Buzzer noise in case of error or malfunction	Anomalies management trough microcontroller
Protection against overcurrent and overvoltage	Protection over every charging phase of the cycle

GENERAL FEATURES

Backlit 16x2 characters alphanumeric display	High luminescence LED on the front panel
Charging parameters visualized on display	Adjustable final charging stage (from 1 to 10H), standard is 4h

ACCESSORIES

Cable Hook	Easy Wire System (only Box "S")
PRO Control Card (Box "S-C")	Modular accessories related to PRO Control Card
Kit Update Software	Cable's plugs
Battery temperature probe connected to the charger	Cabinet Stand

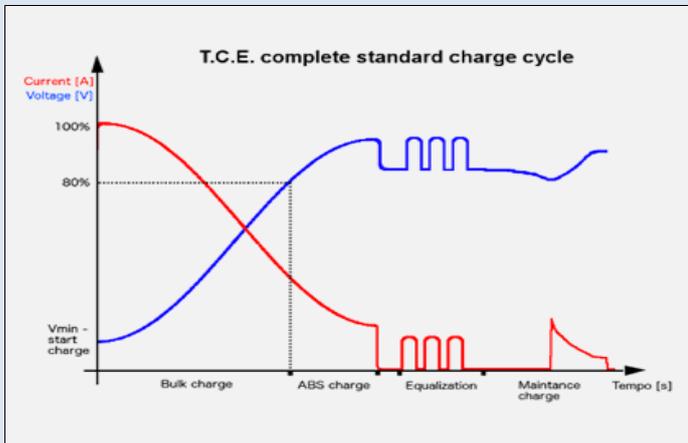
Brochure subject to changes without notice

CHARGER SIZES

Nominal Vdc V	Vac	Output Current A	
		From	To
12V	1x 230 Vac	20	40
	3x 400 Vac	60	180
24V	1x 230 Vac	20	160
	3x 400 Vac	60	180
36V	1x 230 Vac	30	160
	3x 400 Vac	60	180
48V	1x 230 Vac	20	120
	3x 400 Vac	40	200
72V	1x 230 Vac	60	120
	3x 400 Vac	60	120
80V	1x 230 Vac	60	100
	3x 400 Vac	60	180

To request other V/A, please contact us through our website
www.tcechargers.com

WA CHARGING CURVE



WORKING CONDITION

Operating Temperature	From -20°C to 35°C
Storage Temperature	From 0°C to 60°C
Maximum Humidity	90% without condensation
Environment	Not Alkaline

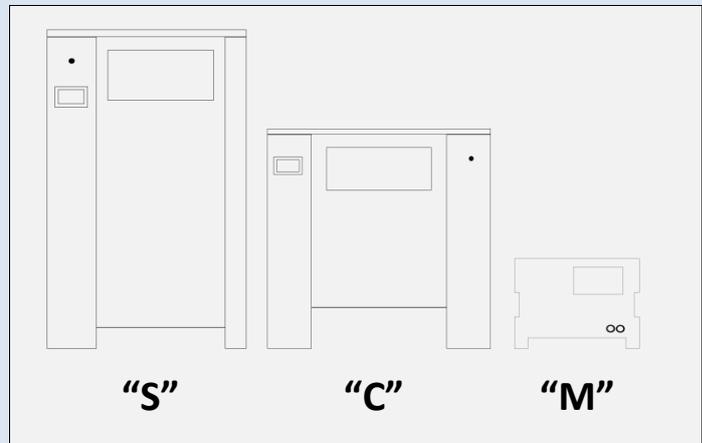
In case of environments with different values from the above, please contact us to evaluate further options

AH RECHARGE CHART

Output Current A	AH (C5)	
	10H	12H
20A	100	130
30A	140	190
40A	190	240
50A	250	315
60A	300	370
70A	320	390
80A	350	500
100A	430	620
120A	500	750
140A	600	870
160A	680	1000
180A	760	1125
200A	1100	1250

Values referred to a **80% discharged PzS Wet (Lead Acid)** traction battery.

BOX GUIDE



DIMENSIONS

Box	H	L	D
"M"	260	350	260
"C"	600	500	380
"S"	860	370	510

COLORS

Front Panel	White RAL 9010	Yellow RAL 1028
Box	Orange RAL 2002	Black RAL 9011
	Green RAL 6017	

The box is based on the size of the power transformer to optimize the charger's operation.