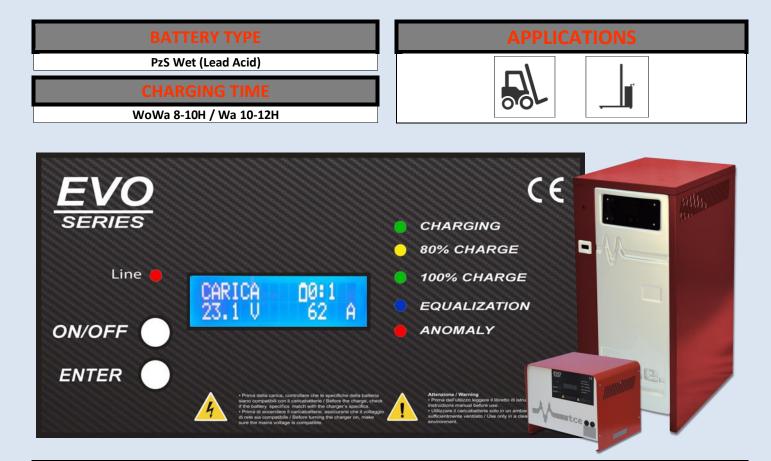
## **EVO** Series



TECHNICAL FEATURES			
Power Supply:	Tropicalized stray-flux transformer impregnated with non-		
• Single Phase 220-230-240-255 Vac / 50-60Hz	toxic resins and kiln dried		
• Three Phase 380-400-420-440 V / 50-60 Hz			
Microchip Microcontroller PIC16 <sup>TM</sup> /PIC18 <sup>TM</sup>	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 or WoWa Charging curve		
Current Value reading with SHUNT	100 charging cycles log (Duration of the charge, AH delivered)		
Power transformer with ventilation Channels (20% cooler)	Visualization of estimated charging cycle's length		
ABS front and back panels to increase efficiency by 5-7%	Low output noise while charging		
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	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			
Packlit 16x2 characters alphanumeric display			
Backlit 16x2 characters alphanumeric display	High luminescence LED on the front panel		

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		

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## **CHARGER SIZES**

Nominal Vdc <b>V</b>	Vac	Output Current <b>A</b>	
		From	То
12V	1x 230 Vac	20	40
		, , , , , , , , , , , , , , , , , , ,	
241/	1x 230 Vac	20	160
24V	3x 400 Vac	60	180
36V	1x 230 Vac	30	160
500	3x 400 Vac	60	180
	1		
48V	1x 230 Vac	20	120
40 V	3x 400 Vac	40	200
	I		1
72V	1x 230 Vac	60	120
720	3x 400 Vac	60	120
80V	1x 230 Vac	60	100
	3x 400 Vac	60	180

AH RECHARGE CHAR

Output	AH (C5)		
Current	WoWa	Na Wa	
Α	8H	10H	12H
20A	/	120	160
30A	/	180	230
40A	/	230	290
50A	/	300	380
60A	260	375	450
70A	300	385	470
80A	350	420	600
100A	435	520	750
120A	525	600	900
140A	610	720	1050
160A	700	820	1200
180A	785	900	1350
200A	870	1040	1450

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

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

Operating Temperature	From -20°C to +45°C	Maximum Humidity	90% without condensation
Storage Temperature	From 0°C to +60°C	Environment	Not Alkaline

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

