

# ECT e

## RECTIFIER & BATTERY CHARGER

1 Phase input  
24, 48, 110 & 125 Vcc

Switch-Mode Rectifier  
with power factor correction  
Microprocessor controlled

Nickel-Cadmium or Lead acid batteries



### Modern design

**AEG Power Solutions** (formerly Saft Power Systems and Saft Nife) has traditionally been recognized as a world leader in the manufacture of power equipments and its associated batteries.

The **ECTe** family equipment provides a technologically advanced solution with a switching mode rectification system with power factor correction.

The system incorporates an advanced microprocessor control and it's suitable for charging VRLA sealed lead acid as well as maintenance free nickel-cadmium batteries.

The system has been optimized to fit in a small wall-mounted cabinet that holds the electronics assembly and the battery.

### Compact and Reliable

#### ECT e

- » Compact design. High power energy
- » 1 phase input
- » Switch-mode Rectifier & Charger
- » Microprocessor controlled
- » Digital display in front door (2 lines / 16 characters) for signaling the main system parameters.  
2 main status LED's. Configuration via Menus
- » Local signalling via display. Remote alarms by means of potential-free contacts (optional)
- » Easy maintenance

INPUT			
Nominal input voltage	230 Vca ± 20 % 1 phase		
Frequency	50 Hz ± 6 %		
OUTPUT			
Output voltage	24 V, 48 V, 110 V and 125 V		
Output current	6 A and 15 A for all available output voltages		
Power Factor	> 0,99		
Ripple voltage	< 200 mVpp (30 MHz bandwidth)		
Current	Limited to 110 % of In		
Efficiency	> 90 %		
Regulation	< 1 %		
Dynamic regulation	< 5 %, 10 % - 90 % - 10 %, recovery time < 5 ms		
Display measures	Mains voltage, battery (voltage and current), output (voltage and current), battery temperature		
Local alarms	<ul style="list-style-type: none"><li>• Display : Mains failure, rectifier failure, max. and min. load voltage, earth +, earth -, overtemperature, load failure</li><li>• Additional Led's signalling (optional)</li></ul>		
Remote alarms	<ul style="list-style-type: none"><li>• General failure</li><li>• 8 programmable alarms - optional relay card</li></ul> <p>Default configuration : Mains failure, rectifier faiulre, earth + fault, earth - fault, high voltage, low voltage, battery charge failure, high failure</p>		
Available languages	English, Spanish		
Protections	Battery and charger fuses, overtemperature, low battery voltage disconnection (lead acid version)		
Analog measurements	Output voltmeter and amperimeter (both in option)		
Battery	<ul style="list-style-type: none"><li>• Maintenance free Nickel-Cadmium battery, VT type, sintered plates and low internal resistance for high rate current performance. Available capacities 4, 7 and 14 Ah</li><li>• Lead acid batteries, VRLA. Available capacities 7 and 18 Ah</li></ul>		
GENERAL INFORMATION			
Cabinet	Wall-mounted cabinet	24 and 48 V 110 and 125 V	600 x 500 x 300 mm (H x w x d) 800 x 600 x 300 mm (H x w x d)
Degree of protection	IP20		
Acoustic noise	< 55 dBA		
Color	RAL 7035		
Operating Temperature	0 °C to +40 °C. Up to +55 °C with power derating		
Humidity	10 % to 95 % non condensing		
Installation height	Up to 1000 m over sea level. Up to 3000 m with power derating		
Connection	Top and/or bottom		
Certification and approval	CE		



Autorizovaný distribútor pre Slovensko:

Rhea elektro s.r.o., Elektrárenská 1/12440, 831 04 Bratislava

Telefón: +421 2 49101914, -18

E-mail: info@rhea-elektro.sk

www.rhea-elektro.sk