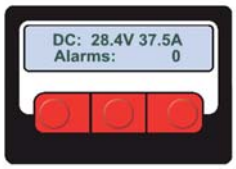
ECT e

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
- Stabilized output voltage
- Current limited
- IU Charge characteristic

ECT e

SPECIFICATION

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	• Display : Mains failure, rectifier failure, max. and min. load voltage, earth +, earth -, overtemperature, load failure • Additional Led's signalling (optional)
Remote alarms	• General failure • 8 programmable alarms - optional relay card Default configuration : Mains failure, rectifier faiulre, earth + fault, earth - fault, high voltage, low voltage, battery charge failure, high failure
Available languages	English, Spanish
Protections	Battery and charger fuses, overtemperature, low battery voltage disconnection (lead acid version)
Analog measurements	Output voltimeter and amperimeter (both in option)
Battery	• 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 • Lead acid batteries, VRLA. Available capacities 7 and 18 Ah
GENERAL INFORMATION	
Cabinet	Wall-mounted cabinet 24 and 48 V 600 x 500 x 300 mm (H x w x d) 110 and 125 V 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 aproval	CE