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





Nominal input voltage 230 Vca ± 20 % 1 phase		
So Hz ± 6 %	INPUT	
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 m/yp (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 tocal alarms Display in Signaling (optional) = 10 sign	Nominal input voltage	230 Vca ± 20 % 1 phase
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Separation Comment C	Current	Limited to 110 % of In
Display measures	Efficiency	> 90 %
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) General failure Beginner of fai	Regulation	< 1 %
Display : Mains failure, rectifier failure, max. and min. load voltage, earth +, earth -, overtemperature, load failure Additional Led's signalling (optional) General failure 8 programmable alarms - optional relay card Default configuration : Mains failure, rectifier failure, 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) 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 GENERAL INFORMATION Wall-mounted cabinet 24 and 48 V	Dynamic regulation	< 5 %, 10 % - 90 % - 10 %, recovery time < 5 ms
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Certification and aproval CE	Connection	Top and/or bottom
	Certification and aproval	CE

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