

SCS2 EN110.10R ENERGY STATION



Input 230Vac - Output 110Vdc 10A

GENERAL SPECIFICATION

Switching technology

Microcontroller-based system

Electronic stabilization

Design rack 19" whit LCD display

Electronic battery test

Exclusion button battery

Sealed lead batteries

Wall or floor mounting

CE conformity

Made in Italy

SCS2 EN is an Uninterruptible Power Supply used to feed system powered by DC voltage.

The main feature of the system is the ability to feed the load with a clean regulated output voltage without interruption.

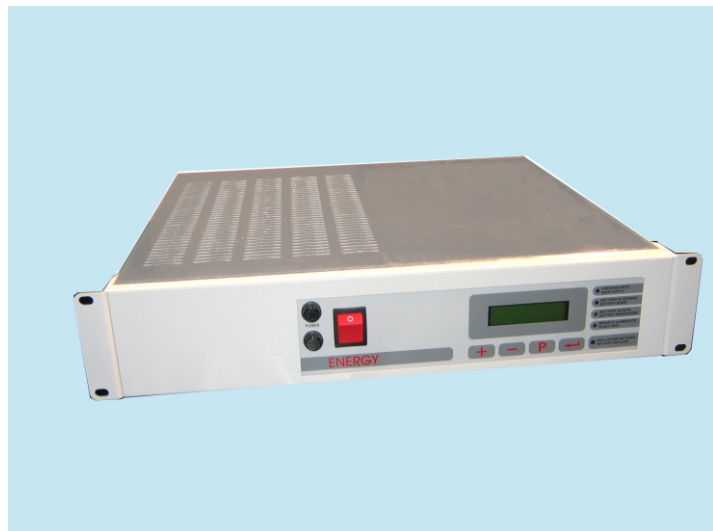
To supply the load uninterruptedly during the absence of the main power, the SCS2 EN station use the batteries.

This power supply uses an input PFC (power factor corrector) circuit that reduces the main input current distortion and getting an input power factor near to 1, moreover gets low psophomeric noise and low voltage ripple in the 110 Vdc output. The high efficiency of this power supply produces very low dissipation and saves energy.

The innovative digital structure microprocessor allows the control of all the functions of the energy station which, through a LCD display and a keypad, visualized on various menus, the working and setting parameters, the battery management, the historical menu and the alarms message. The main indications and alarms are signaled in real time and are recorded within a «historical» menu.

Thanks to the information provided, the user is able to completely control the system.

The special care in the design, has achieved a product with an advanced technologies that ensure high reliability, high security of service and performance trends.



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ENERGY STATION

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TECHNICAL SPECIFICATION

INPUT	
Main voltage / Main frequency	230Vac (-20% +15%) / 50 Hz
Nominal input current	7,8 A
Max input current	9 A Max
Power factor	>0.98
OUTPUT	
Output voltage	110 Vdc
Polarity to ground	positive or floating
Output current	10 A
Static voltage stability	±1%
Psophometric noise with connected battery	<2mV (-51.7dBm)
Voltage ripple with connected battery	<50mVeff.
Ground isolation resistance	>50MOHM
Efficiency	>83%
ISOLATION	
Electric isolation input-output	2.000Vca 1minute
Electric isolation input-ground	2.000Vca 1minute
Electric isolation output-ground	500Vcc 1minute
PROTECTION ELEMENTS	
Protection	Overload – Overheating - Short-circuit protection – Output and input fuses – Abnormal output voltage protection
Acoustic signal (buzzer)	Overload – Fault
LED indicators	Main supply – Output ok
DISPLAY LCD Signal (16 bit- 2 line)	Output voltage - Main voltage - Output current Battery current – Fuse breakage - Overheating Battery test Date and Time - Log - Assistance menu
Alarm contact	Line off – Fault
GENERAL DESCRIPTION	
Working temperature	0 ÷ 45°C
Storage temperature	-25 ÷ +45°C
Relative umidity at 35°C	<80%
International Protection	IP21
Ventilation	Fanless
OTHER FEATURES	
Remote control	With modem or serial interface
	Serial interface RS232/RS485 – SNMP management (optional)
Rack Dimension WxDxH (w/o battery)	19" 2 unit – 422x325x88,50 mm
Weight	14 Kg
Compliance Safety	EN60950 / CEI 103/1-11
EMC	2004/108/CE

All specifications are subject to change without notice.



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