



FEATURES

- MODULAR CONFIGURATION
- RACK MOUNTING
- PARALLELABLE UP TO 8 UNITS
- DIGITAL DISPLAY
- STABILIZATION
- BATTERY EXCLUSION BUTTON
- AUTOMATIC BATTERY TEST
- MICROPROCESSOR CONTROL
- HIGH EFFICIENCY
- HIGHLY COMPETITIVE PRICES

SCS2ENMD48

MODULAR ENERGY STATION

Rack 19" - 4 Units

Input 230Vac / Output 48Vdc - 3x30A - Parallel up to 8 units

Sinercom has created a high quality energy station to supply 48Vdc users. Our Energy Station guarantees a continuous supply to the applied load even in the event of a power failure using the battery connected to the system. The SCS2ENMD48 uses up to 3 power modules for the 49Vdc version.

The main technical features of this system are a high efficiency, a power factor close to 99% and a stable output voltage with low psophometric noise. The power supply modules are contained in a 19 "Sub-Rack 4 unit that manages the connection of the power supplies, while the Supervisor (synoptic panel) located on the right side of the Sub-Rack, provides the main data of the Energy Station. The use of a microprocessor allows the controll of the output voltage, of the current absorbed by the load and of the batteries, and the detachment of the same in case of excessive discharge.

POWER MODUL SUPPLY

The power supply module is made with a high frequency push-pull electronic circuit, which allows the galvanic isolation between the mains input and the load.



This module, controls the current absorbed by the electric network, allowing to obtain a power factor as close as possible to the unit and generates a constant continuous voltage. At the output of the push-pull circuit there is an inductor and a capacitor whose job is to eliminate the high frequency harmonics, reduce the output voltage ripple and psophometric noise.

SUPERVISOR

The Supervisor is the heart of the system. A liquid crystal display and a 4-button keypad allow you to view the fundamental parameters of the operations and detect any alarm status that may arise. Reports are recorded in the "historical" menù.

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SUBRACK	SCS2ENMDSR	
Configurazione stazione	Monofase - 1 modulo	Trifase - 3 moduli (max)
Tensione ingresso	230Vac +15% -20% (1F+N)	400Vac +15% -20% (3F+N)
Frequenza in ingresso	47-63Hz	
Corrente nominale in ingresso	7,8 A	23 A
Corrente di picco in ingresso	9 A	27 A
Tensione d'uscita nominale	48Vdc	
Corrente nominale uscita	30 A	90 A
Segnalazioni visive LED	Presenza rete, batteria in scarica, Allarme generico	
Segnalazioni display LCD	Tensione di uscita, tensione di ingresso, Corrente di uscita, Corrente di batteria, test batteria, data/tempo.	
Contatti allarmi (Na o Nc)	Batteria bassa, rottura batteria, mancanza rete, allarmi	
Raffreddamento	Forzato	
Dimensioni L x P x H mm	437 x 430 x 176	
Peso	18Kg	24Kg
MODULO ALIMENTATORE	SCS2ENMD 48.30	
Tensione ingresso	180 - 265 Vac (1F+N) - 47-63Hz	
Tensione uscita nominale	48Vdc	
Corrente nominale	30 A \pm 3%	
Tensione di carica in tampone	54Vdc	
Stabilità statica in tensione	\pm 1% (Carico 10% - 100%)	
Rumorosità	<2mV (-51.7dBm)	
Ripple in tensione	<50m Veff.	
Stacco per scarica eccessiva	43,2 Vcc \pm 2%	
Rendimento a pieno carico	>90%	
Protezioni modulo	Protezione da corto circuito, Sovraccarico, Sovratensione in uscita, Sovratemperatura, Fusibili in ingresso	
Indicazioni visive LED	Segnalazione di modulo accesso, anomalia	
Dimensione L x P x H	80 x 395 x 159 mm	
Peso	6Kg	
DESCRIZIONE GENERALE		
Temperatura di funzionamento	0°C a +45°C	
Temperatura di stoccaggio	-20°C a +45°C	
Umidità a 35°C	<80% senza condensa	
Grado di protezione	IP20	
Normativa sicurezza	EN60950/Direttiva 2006/95/CE	
EMC	Direttiva 2004/108/CE	