



The SMS series devices are single-phase automatic transfer systems designed and built to guarantee the highest levels of performance.

PRINCIPLES OF WORKING

The single-phase SMS series, available in 32A, 63A and 120A rated power, is a simple and effective solution to manage the redundancy provided by two independent power sources, synchronous or asynchronous sources, allowing automatic or manual transfer of loads without interrupting the power supply to the load.

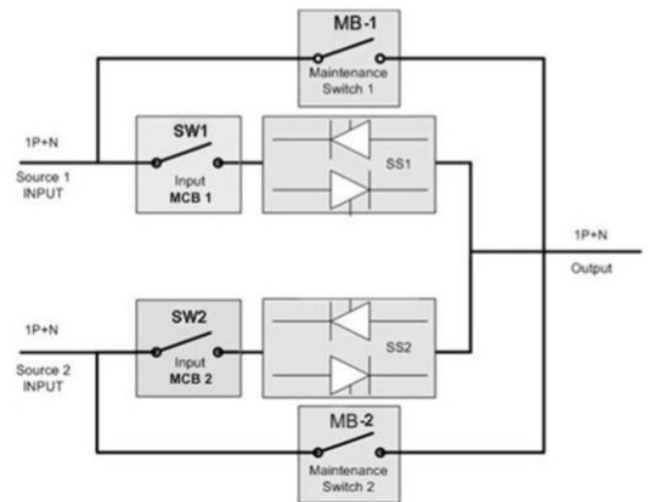
One of the two sources can be designated as a primary energy source, while the other becomes the alternative source. In the event of a failure, the transfer from one source to another is automatic and instantaneous. The SMS provides the possibility to set the values of the sources so that the transfer is done under certain voltage or frequency conditions set via software. The system constantly monitors the 2 power sources; whenever the line feeding the load exits the correct tolerance range (user-definable), the load is automatically transferred to the alternative (secondary) power source. The return to the preferred source is automatic when the voltage returns within the tolerance range. To provide a maximum level of protection for connected equipment, both power sources must be online UPS.

The SMS module can also be provided by a UPS and another type of source, or by two non-UPS sources that provide a sinusoidal output.

The use of the automatic transfer system SMS series thus provides a secure protection against potential interference in the source that feeds the load or even in any power outages that may occur.

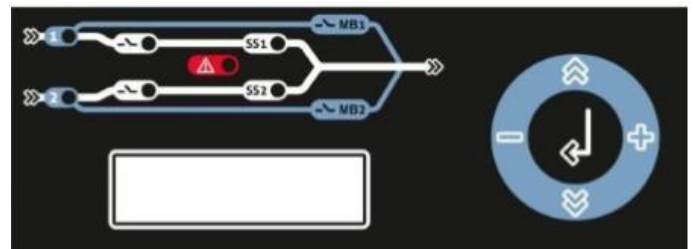
FEATURES

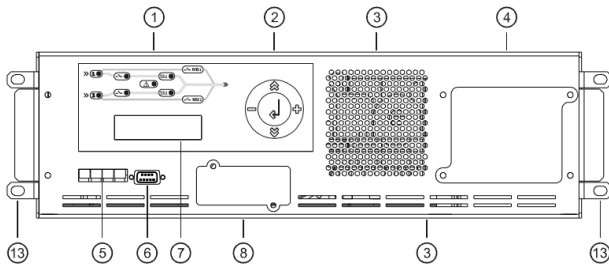
- Two separate synchronous or asynchronous independent sources
- Redundant power supply
- Transfer time ≤ 4 msec for synchronous source
- High reliability
- Intuitive operation with LCD display
- 19" rack configuration
- Hot-swap maintenance bypass included
- Available in 120Vac version



CONTROL PANEL

The front panel provides all the major parameters and the operating status of the SMS, which includes complete diagnostics and a simple user interface.



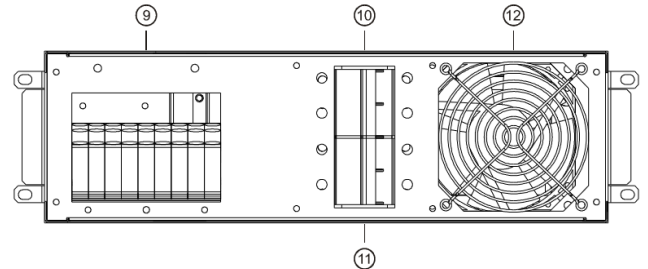


Elements and description:

- 1. LEDs synoptic panel.
- 2. keyboard.
- 3. Fan.
- 4. Manual bypass.
- 5. Dry contacts.
- 6. RS232 interface.
- 7. LCD display.
- 8. Accessory slot for SNMP.
- 13. 19 "rack mounting

INPUT AND OUTPUT

The input and output connections are located on the back of the SMS.



- 9. Dry contacts.
- 10. Source input switch 1.
- 11. Source input switch 2.
- 12. Fan

Model	SMS 32	SMS 63	SMS 120
Rated power	32 A	63 A	120 A

INPUT			
Nominal voltage	230Vac (180~264Vac) 1Ph+N		
Nominal frequency	50/60Hz (46-64Hz)		

OUTPUT			
Voltage	220/230/240V ± 1% 1Ph+N, settable		
Transfer mode	Automatic – manual		
Transfer time (mains failure)	≤4 msec. with synchronized inputs ≤10 msec. with non-synchronized inputs		
Transfer time (manual command)	≤2 msec.		
Overload	150% for 1 minute, ≤200% for 10 seconds, >200% 250msec		

PROTECTION			
Input	Circuit breaker (optional)		
Output	Circuit breaker		

INTERFACE			
Communication	RS232, dry contacts, EPO and accessory slot for SNMP or RS485 interface		
Display	LCD + LED		

MISCELLANEOUS			
Inlet	Terminals		
Outlet	Terminals		
Dimensions	440x590x88mm	440x590x88mm	440x645x132mm
Weight	12kgs	13kgs	20kgs
Relative humidity	90% without condensing		
Operating temperature	from 0°C to + 40°C		

STANDARDS			
Safety	EN 62040-1		
EMC	EN 62040-2		
Marks	CE		