



Medium Voltage Switchboards

wherever energy exists...

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Siafaras Electric Systems is manufacturing electrical Medium Voltage switchboards for over 50 years. It manufactures fully standardised and certified systems, satisfying the requirements of the most demanding technical specifications. All panels are in line with the relevant international standards, and each product undergoes routine tests in our fully equipped laboratory, making our products synonymous to high quality and safety. The establishment of a leading position in the Greek market has led in collaboration with world-class system manufacturers, who certified Siafaras as an official partner.



Standardized Systems

- **SIAFARAS / SMS**
- **SIAFARAS / SMA**

The Use

The medium voltage panels manufactured by Siafaras Electric Systems, cover a wide range of uses:

- Distribution Switchboards
- MCC (Motor Control Center) switchboards
- Switchboard of RENEWABLE ENERGY substations

Switchboard Types: SMS / SMA

The company manufactures two series of MV panels:

- SMS: Switches with sulfur hexafluoride insulation (SF₆)
- SMA: Switches with air insulation

Type SMS	Description	Type SMA
SMS-SW/I/Q	Incomer / Outgoing cubicle with M.V. switch disconnector	SMA-SW/I/Q
SMS-BS/I/Q	Incomer / Outgoing cubicle with busbars	SMA-BS/I/Q
SMS-E	Empty incomer cubicle	SMA-E
SMS-FS/Q	Outgoing cubicle with fuse switch disconnector	SMA-FS/Q
SMS-CB/Q	Outgoing cubicle with M.V. automatic circuit breaker	SMA-CB/Q
SMS-MS	Mesurement panel	SMA-MS
SMS-FS/MS	Mesurement panel with fuse switch disconnector	SMA-FS/MS

SAFETY

GUARANTY

CERTIFICATION

TYPE TESTS

We have successfully conducted type test, in our Medium Voltage switchboards, at CESI's accredited laboratory in Milan, Italy.

ROUTINE TESTS

We perform quality inspection tests to all our Medium Voltage products according to the European Standard EN 62271-200, which refers to Medium-voltage switchgear and controlgear assemblies. We issue quality certificates for each product.

DOCUMENTATION

Complete electrical drawings are used in the manufacturing of electrical panels, providing technical information to customers and the comprehensive documentation of the final product.

TECHNICAL CHARACTERISTICS

Type-tested medium voltage Switchgear and Controlgear Assembly (TTA)

Impulse withstand Voltage	125 kV
Test Voltage (50-60 Hz / 1min)	50 kV
Rated normal current	630 A
Rated short-time withstand current (1s)	16 kA
Peak current	40 kA
Rated frequency	50/60 Hz

