Mobile Substations

SMS Series

SMS-1 I SMS-2 I SMS-3

Switching Life to Infinity

aktif ELEKTROTEKNİK

Mobile Substations
SMS Series

SMS series mobile transformer and distribution centers provide easy and flexible solution to the user by means of short manufacturing time and very easy transport facility in cases of:

- Long construction time of fixed substations,
- Temporary power demands,
- Maintenance and repair of fixed substations,
- Power shortages,
- Emergency power needs.

Mobile substations can be transportable easily and fast to where they are needed and may easily be integrated to the system.

Technical Values		SMS-1	SMS-2	SMS-3
Rated primary voltage	kV	3.6 - 40.5	3.6 - 40.5	52 - 245
Rated secondary voltage	kV	0.23 - 0.6	1 - 24	3.6 - 40.5
Rated short time withstand current	kA	1 - 10	16 - 50	25 - 50
Rated power	MVA	0.5 - 4	1 - 31.5	1 - 45
Power consumption (max)	kVA	10	15	15
Rated frequency	Hz	50/60		

Application Areas

- Power generation
- Transmission and distribution
- Military camps
- Mining
- Industry

SMS - 1

Advantages

- Primary voltage up to 245 kV
- Rated power up to 45 MVA
- AIS / GIS design
- Trailer, platform, vessel type
- Maximum mobility
- Fast and easy service
- Low maintenance cost

SMS - 2

Standards

- IEC 62271-202
- IEC 62271-205
- IEC 62271-200
- IEC 62271-100
- IEC 62271-1
- IEC 60076-1
- IEC 61439-1

SMS - 3

Technical Features	SMS-1	SMS-2	SMS-3
Power transformer	-	✓	✓
Distribution transformer	✓	-	-
Auxiliary supply transformer	-	o	o
Generator	o	o	o
Neutral grounding transformer	o	o	o
Neutral grounding resistor	o	o	o
Neutral grounding reactor	o	o	o
High voltage switching equipment	-	-	✓
Medium voltage switchgears	✓	✓	✓
Low voltage switchboard	✓	-	-
Voltage transformers	✓	✓	✓
Current transformers	✓	✓	✓
Capacitor banks	o	o	o
Auxiliary AC supply panel	-	✓	✓
Auxiliary DC supply panel	✓	✓	✓
Battery and rectifier set	✓	✓	✓
Protection and control panel	✓	✓	✓
Sheet steel / Sandwich panel kiosk / Container	✓	✓	✓
Trailer type	✓	✓	✓
Platform type	o	o	o
Vessel type	o	o	o
Cables	✓	✓	✓
Cable terminations	✓	✓	✓
Cable drums	o	o	✓
Phase sequence controller	o	o	o
Gantry	o	o	o
SCADA and communication systems	o	o	o
Air conditioner	o	o	o
Lighting projectors	✓	✓	✓
Fire detection & Extinguisher system	o	o	o
Safety equipment	✓	✓	✓
Isolated base floor	✓	✓	✓
Operation equipment	✓	✓	✓
Maintenance equipment	✓	✓	✓
Spare parts	o	o	o

✓ : Standard
o : Optional
- : Not Available

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aktif
ELEKTROTEKNİK

Headquarters

Bayraktar Bul. Şehit Sok. No: 5
34775 Ümraniye, İstanbul, TR
Phone : +90 (216) 314 93 20
Fax : +90 (216) 314 93 60
www.aktif.net - info@aktif.net

Factory

Akşemsettin Mah. Çatalca Sk. No: 113 06930
Sincan, Ankara, TR
Phone : +90 (312) 269 46 02
Fax : +90 (312) 269 45 01
www.aktif.net - info@aktif.net

Germany Office

Bahnhofstrasse 82-86
35390 Giessen, Germany
Phone : +49 176 60940534
www.aktif.net
info.de@aktif.net