Prefabricated Concrete Compact Substations

SMK

Switching Life to Infinity

aktif ELEKTROTEKNİK

SMK Series

Transformer and Distribution Kiosks

SMK series monoblock concrete transformer and distribution kiosks are manufactured up to 40.5 kV voltage level and 1600 kVA transformer power.

SMK series monoblock concrete kiosks are manufactured in accordance with type tests from internationally accredited laboratories, IEC 62271-202 standard and TEDAŞ-MLZ-2020-069 regulation.

SMK Series Monoblock Concrete Kiosks come in 2 different types.

- SMK-D Monoblock Concrete Distribution Kiosks (MV)
- SMK-T Monoblock Concrete Transformer Kiosks (MV-TR-LV)

Advantages

- Conformable design for every types of medium voltage switchgear
- Conformable design for every types of low voltage panel
- Special design suitable according to needs for doors and ventilation systems.
- Special applications for special projects
- Long operating life and high strength with C35 concrete
- Easy and reliable transport and commissioning
- IP23D protection class
- Compact design
- Easy and safe operation
- Long working life

Application Areas

- Power Distribution and Transmission
- Compensation Facilities
- Renewable Power
- Cement Plants
- Automotive Industry
- Iron and Steel Industry
- Rolling Mills
- Mining Plants

Service Conditions

• Ambient Temperature	: -5...+50°C
• Ambient Pollution	: High
• Max. Sun Radiation	: 1000 W/m2
• Endurance for Earthquake	: 0,5 g (horizontal and vertical)

Rated Values

• Ur	: up to 40,5 kV
• Ir	: up to 1250 A
• Ik	: up to 25 kA
• Fr	: 50/60 Hz
• IAC	: AB
• IP class	: IP23D
• Compressive Strength Class	: C35

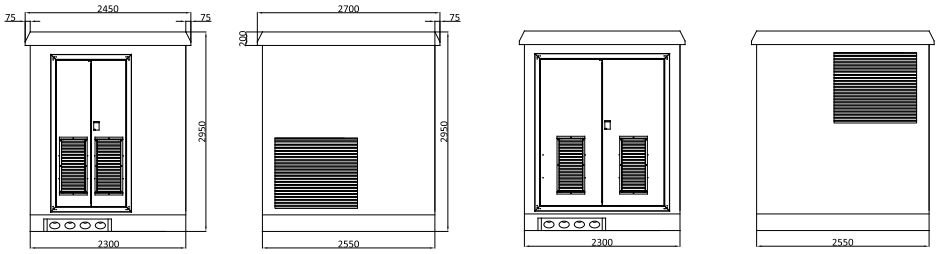
Standards

- IEC 62271-202
- IEC 62271-200
- IEC 60529
- IEC 60068-2-11
- IEC 60076-1
- IEC 61442
- IEC 61439-1

Dimensions

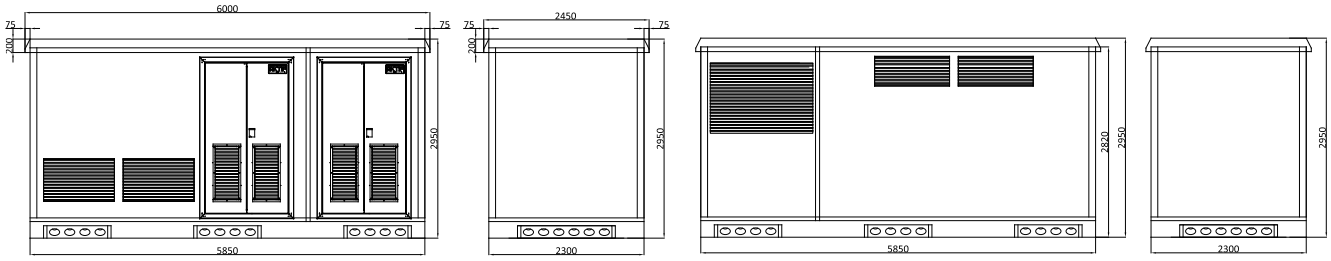
SMK 2,55

Outside Dimensions (WxDxH) : 2550 x 2300 x 2950 mm
Inside Dimensions (WxDxH) : 2350 x 2100 x 2720 mm



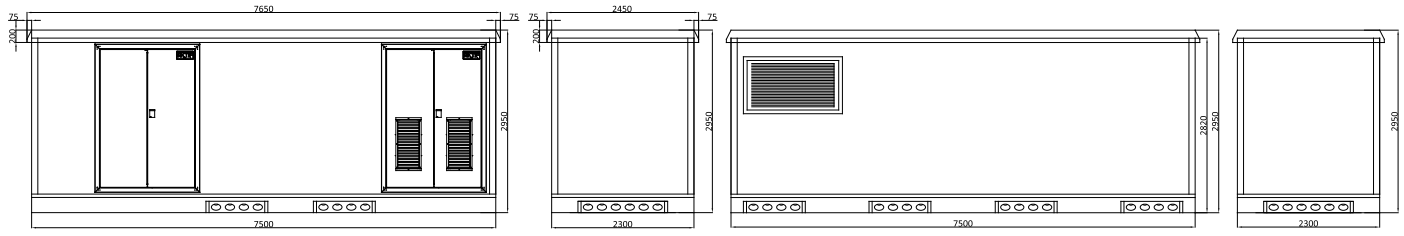
SMK 5,85

Outside Dimensions (WxDxH) : 5850 x 2300 x 2950 mm
Inside Dimensions (WxDxH) : 5650 x 2100 x 2720 mm



SMK 7,5

Outside Dimensions (WxDxH) : 7500 x 2300 x 2950 mm
Inside Dimensions (WxDxH) : 7300 x 2100 x 2720 mm



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