EuroMax Compact Substation



66 Completed with your requirement

Unit Substation 12-36 kV, 150-1600 kVA IEC 62271-202 Regulation

Engineering ideas into reality









Features

- Produced acc. to latest VDE/IEC regulation
- Arc-fault tested for safety acc. to PEHLA No.4
- IEC 62271-202
- Quality management acc. to DIN EN ISO 9001,14001
- Minimum size and safety for "sidewalk-useful"
- Compartments hot dip galvanized and powder coated
- with heavy metal free and not toxic
- Connecting material out of non corrosive steel
- All components are fully tested and approved
- Base pan steel, oil-tight, welded, hot dip galvanized and
- powder coated, or concrete B45 or LB25 oil tight
- **Environmental friendly**

Power Supply System - More Than Just Power Compact Substation - MV + TR + LV For underground system distribution

Benefits

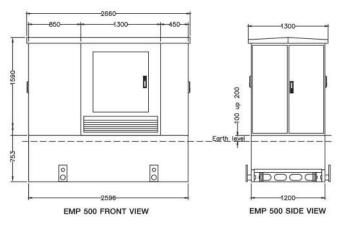
- Safety-harmless to people surrounding
- Small, light and compact
- Last long no corrosion in any part
- Easily transportation and installation

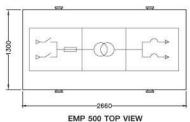


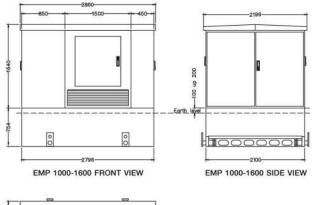
" EMP 1000-1600 For TR. 500-1600kVA "

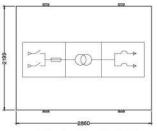


" EMP 500 For TR. 150-500kVA "









EMP 1000-1600 TOP VIEW



Certified By SATS





" EMP 1000-1600 PEHLA No.4 IEC 62271-202 " Before Test



" EMP 1000-1600 PEHLA No.4 IEC 62271-202 " After Test



Internal arcing tests in accordance with IEC 62271-202 on high-voltage / low-voltage prefabricated substations



EuroMax Compact Substation

Technical features	EMP 500	EMP 1000-1600
Main features		
Dimension WxDxH (mm.)	2596x1200x2343	2796x2100x2394
Weight (Kg.)	1200	1500
Protection degree	IP54	IP54
Cooling system	K20	K20
Operating temperature (°C)	- 30 up to + 50	- 30 up to + 50
Relative humidity (%)	up to 98	up to 98
nstallation	up to 1000 m.	up to 1000 m.
Medium voltage switchgear part		
Max.Rated Voltage	24 kV	
Dielectric Withstand Voltage to earth and between phases 50/60 Hz 1 minute	50kV	
Impulse Withstand Voltage to earth and between phases	125kV	
Rated Current	630A	
Bus-bar Rated Current	630A	
Short time current 1 sec.	20kA	
Making capacity	50kA	
Internal Arc withstand current 1 sec.	20kA	
Transformer part		
Rated power	150-500kVA	500-1600kVA
Primary voltage	22/24kV	22/24kV
Secondary voltage	416/230V.	416/230V.
Frequency	50Hz.	50Hz.
Low voltage part		
Rated current	800A	2500A
Bus-bar Rated Current	800A	2500A
Main switch rated current	800A	2500A
Short time current 1 sec.	50kA max.	50kA max.



" EMP 1000-1600 For TR. 500-1600kVA "







75 Moo 3, Petchkasem Road, Banmai, Sampran, Nakornpathom 73110, Thailand T +66 (0) 2805 8168-9 +66 (034) 979 334-7 F +66 (0) 2813 9861 +66 (034) 979 333 E-mail: sales@piller.co.th, www.piller.co.th