

Notes

220.0/20.0 kV simple busbar is an outdoor air-insulated substation. 20.0 kV switchgear is indoor type. The buses are 200.0/184.0 mm

CHARACTERISTICS OF THE HV: 220.0 kV
 Maximum voltage for the system: 245.0 kV
 Lightning withstand voltage: 1050.0 kV
 Short-circuit level: 50.0 kA
 Number of transformer bays: 2
 Number of output bays: 1
 Substation arrangement: simple busbar

CHARACTERISTICS OF THE HV/MV: 220.0/20.0 kV
 Number of power transformers: 2

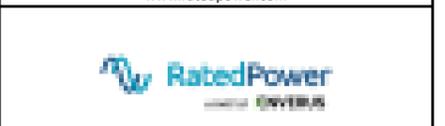
CHARACTERISTICS OF THE MV: 20.0 kV
 Number of output lines: 2
 Number of incoming lines: 15
 Number of capacitor banks: 2
 MV cubicles arrangement: simple busbar
 Maximum voltage for the system: 24.0 kV
 Lightning withstand voltage: 145.0 kV
 Short-circuit level: 25.0 kA

Legend

	Circuit breaker
	Current Transformer
	Disconnecter
	Earthing Disconnector
	Fuse
	Grounding Device
	Surge arrester
	Voltage Detector
	Three Phase
	Voltage transformer
	Power transformer
	Capacitor Bank

00	FIRST VERSION	RP	2024-03-25
REV	DESCRIPTION	BY	DATE

FOR INFORMATION ONLY



PROJECT:
Enio - Capacitor Bank Webinar

DRAWING:
simple busbar - Substation SLD

SCALE:	Not to scale	SHEET:	1 / 1
REVISION:	00	DATE:	2024-03-25
DIN A3			