

Compact secondary substation

Specification template to IEC 62271-202

Fill in what the design has fixed and leave the rest empty. Send the sheet with your request: every open point comes back in one numbered message before any manufacturer sees it.

01 Project

Project or reference			
Site country and postcode			
Quantity units			
Required on site			Date, or week and year
Delivery terms	☐ DAP site ☐ FCA works ☐ Other	Incoterms 2020	
Network operator			Sets the metering position and may approve the station

02 Transformer

Rated power kVA			
Rated voltages, high and low voltage side kV / V			For example 20 kV / 400 V
Vector group and impedance uk			For example Dyn11, 6 %
Transformer type	☐ Mineral oil ☐ Ester ☐ Cast resin		
Loss requirement	☐ EU Tier 2 maximum ☐ Lower values ☐ Capitalised		Regulation (EU) 548/2014 as amended by (EU) 2019/1783

03 Medium voltage switching

Switching device	☐ Ring main unit ☐ Circuit breaker ☐ Switch fuse		
Ways and their functions			For example two cable ways and one transformer way
Short time withstand current and duration kA / s			
Insulation medium	☐ Air ☐ Clean or dry air ☐ Solid ☐ Fluorinated gas		Fluorinated gas is prohibited for new installations up to 24 kV from 1 January 2026, with derogations

04 Low voltage and metering

Low voltage incomer rating A	<input type="text"/>	At or above the transformer's rated current
Outgoing ways and their ratings	<input type="text"/>	
Metering	☐ None ☐ Low voltage ☐ Medium voltage	Position set by the network operator

05 Enclosure and site

Enclosure	☐ Concrete ☐ Metal
Operation	☐ Walk in ☐ Operated from outside
Internal arc class of the station	<input type="text"/> A class with current and duration, for example IAC AB 20 kA 1 s
Class of enclosure K	<input type="text"/> For example class 10 or 20
Access for the delivery vehicle and crane	<input type="text"/>
Foundation and earthing by	☐ Buyer ☐ Supplier
Footprint and height limits m	<input type="text"/>

06 Tests and documents

Type test reports required	☐ Internal arc of the station ☐ Temperature rise of the enclosure ☐ Dielectric ☐ Short time withstand	Routine tests to IEC 62271-202 are always included
Witnessed factory acceptance test	☐ Yes ☐ No	
Documents with the offer	☐ Outline drawing ☐ Single line diagram ☐ Foundation plan ☐ Type test reports	
Notes and attachments Single line diagram, site drawings, the old nameplate for a replacement	<input type="text"/>	

References: IEC 62271-202:2022, IEC 62271-200:2021+AMD1:2024, IEC 60076-1:2011. Regulation (EU) 2024/573, Article 13. Examples show the form of an answer; the values for your project come from its design. Free to use and copy.

Send it with your request

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- Manufacturers get the specification, not your details
- No account, no obligation

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