

SIMPLIFIED LOW HVA/LV TRANSFORMER SUBSTATION



Simplified low HVA/LV transformer substations underground or overhead networks, for 50 to 250 kVA transformers.

Main characteristics

Designed to be powered by simple bypass from an overhead or underground network, the simplified low substation (PBS) is designed for transformers with a maximum power of 250 kVA. It is designed to be powered by simple bypass from an overhead or underground network and supplies power to up to 5 LV feeders.

- CCV concrete enclosure comprising:
 - A sealed retention tank
 - An HVA/LV transformer
 - An access door (operating room and transformer)
 - High and low ventilation grilles
 - A metal or CCV roof, depending on the chosen version
 - A removable front panel for easy connection of HVA and LV network cables
- Rated voltage: 7.2 to 36 kV . HVA network incoming feeders: antenna, direct on transformer
- HVA protection or breaker protection transformer directly upstream of the substation
- Submersible transformer power: 50 to 250 kVA
- LV distribution: rated voltage of 400 V/TRX 5-800 A, 1 to 5 fuse feeders
- LV energy metering: measurement unit

Advantages

- Substation that can be manoeuvred and operated from the outside
- Ergonomic cable inlets with removable panel
- Protection of vulnerable sections
- Natural ventilation suitable to the transformer's power (class 10)
- Enclosure resistant to malicious activity
- Operation safety
- Easy maintenance: damaged panel quickly and easily replaced in case of impact
- Effective general protection (IP 23 D)

Uses

- Public distribution market
- Private distribution market: Manufacturing, tertiary/residential, etc.

