

# Air-cooled Converter Skid

## Technical data sheet

Environmental impact  
SF6 Gas-free

### Applications



Commercial and industrial applications



Agriculture



E-mobility



Renewable energy



Biogas plant



Utilities

### Technical features:

- High power on a small footprint.
- Multi-functional: Can be connected to grid voltages of 11 to 33 kV.
- Advanced control system: Ensures precise control, safe operation, and superior energy management.
- Safety guaranteed: We prioritize your safety.
- Durable construction: The units are built with a corten steel frame, offering unmatched durability and resistance to environmental factors, resulting in a long service life.
- Fast and easy installation due to preconfigured and factory-tested system.



Flexible configuration



High efficiency



Safety & compatibility

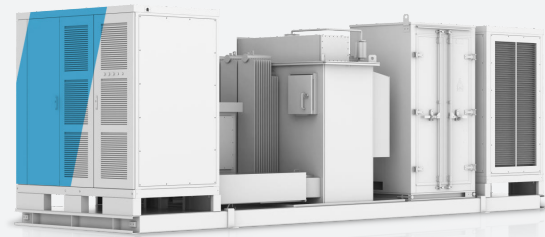


Smart energy management

### Compact power conversion system with integrated high voltage transformer



1725 kVA Converter Skid



3450 kVA Converter Skid



5160 kVA Converter Skid

# Air-cooled Converter Skid

## Technical characteristics and data



|  | 1725 kVA   | 3450 kVA              | 5160 kVA               |
|--|--|-----------------------|------------------------|
| <b>LV and Auxiliary equipment system</b> |  |                       |                        |
| Aux. Transformer                         | 120 kVA/690/400V   |                       |                        |
| UPS                                      | Up to 1 kVA (30 min. standard)*  |                       |                        |
| Meter(s)                                 | Meters for Aux. Power Consumption and PCS  |                       |                        |
| Cooling method                           | Temperature controlled forced air cooling  |                       |                        |
| Output power                             | 400V/50Hz 3P4W (Power supply for external equipment)   |                       |                        |
| <b>MV equipment</b>                      |  |                       |                        |
| Nominal AC power                         | 1725 kVA@45°C  | 3450 kVA@45°C         | 5160 kVA@45°C          |
| Transformer Type                         | Oil-immersed transformer, KNAN and ONAN possible   |                       |                        |
| Transformer Protection                   | Protection relay for pressure, temperature (two levels) and gas.   |                       |                        |
| Switchgear short circuit rating          | 20 kA 1s*  |                       |                        |
| Transformer winding type                 | Dy11y11  |                       |                        |
| MV AC voltage                            | 11kV-33kV  |                       |                        |
| LV AC voltage                            | 690V   |                       |                        |
| <b>General parameters</b>                |  |                       |                        |
| Size (W x H x D)                         | 6058 x 2896 x 2438 mm  | 7600 x 2553 x 2200 mm | 13716 x 2896 x 2438 mm |
| Weight                                   | ≤ 15t  | ≤ 20t                 | ≤ 30t                  |
| Corrosion prevention                     | C4   |                       |                        |
| Enclosure                                | IP54   |                       |                        |
| Operating temperature                    | -30 °C to 55 °C (de-rating over 45 °C)   |                       |                        |
| Cooling                                  | Air cooling  |                       |                        |
| Humidity                                 | 0~100 % (No-condensing)  |                       |                        |
| Maximum elevation                        | Standard 1000 m/ 3300 feet*  |                       |                        |
| <b>Communication parameters</b>          |  |                       |                        |
| Communication                            | RS 485, Ethernet, CAN  |                       |                        |
| Protocol                                 | Modbus TCP/RTU, IEC104, IEC61850   |                       |                        |
| <b>Certifications</b>                    |  |                       |                        |
|  | IEC6100, IEC62109, IEC62447, VDE4110, VDE2120, EN505490-2, G99, UNE 2062007-1:2023, UNE 217002:2020, UE 2016/631 Type D, JET, (NC-RFG) |                       |                        |

\* Consult with Exide Technologies for variations