1725 kVA, 3450 kVA and 5160 kVA Air-Cooled Converter Skid

Technical Data Sheet

Environmental Impact
SF6 Gas-free

Technical features:

- High power on a small footprint.
- Multi-functional: Can be connected to grid voltages of 11 to 33kV.
- 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

Applications

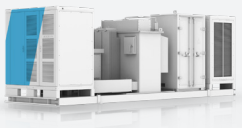
Commercial and industrial applications | **Agriculture** | **E-mobility** | **Renewable energy** | **Utilities**

exidegroup.com

ENERGIZING A NEW WORLD

1725 kVA, 3450 kVA and 5160 kVA Air-Cooled Converter Skid

Technical Characteristics and Data



	1725 kVA	3450 kVA	5160 kVA
LV and Auxiliary Equipment System			
Aux. Transformer	120kVA/690/400V		
UPS	Up to 1kVA (30minutes 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)		
MV Equipment			
Nominal AC power	1725kVA@45°C	3450kVA@45°C	5160kVA@45°C
Transformer Type	Oil-immersed transformer		
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		
General parameters			
Size (W*H*D)	6058*2896*2438 mm	7600*2553*2200 mm	13716*2896*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 1000m/ 3300feet*		
Communication parameters			
Communication	RS 485, Ethernet, CAN		
Protocol	Modbus TCP/RTU,IEC104,IEC61850		
Certifications			
IEC6100, IEC62109, IEC62447, VDE4110, VDE2120, EN505490-2, G99, UNE 2062007-1:2023, UNE 217002:2020, UE 2016/631 Type D, JET, (NC-RFG: soon)			

* Consult with Exide Technologies for variations

Subject to alterations

CXXXDEPDF00725

exidegroup.com

ENERGIZING A NEW WORLD