

# GEAFOL<sup>®</sup> Cast-Resin Transformers

Environmentally friendly dry-type transformers



# Discover our dry-type transformers

## Cast-resin DT portfolio

- Applications:** Everywhere, however particularly where special fire security, water protection or constructive regulations are required
- Function:** to convert voltage levels in distribution networks, as generator transformer or for the operation of static converter
- Ratings:**  $\leq 50$  MVA  
 $\leq 52$  kV

### Main advantages:

- Practically maintenance-free
- High overload capacity ensures high reliability
- Excellent fire behavior – flame resistant and self-extinguishing
- Environmental friendly technology, completely recyclable
- Practically no restrictions concerning place of installation
- Available for practically all standards and regulations

1) On request, we also offer dry-type transformers with copper windings, named CARECO.  
February 2021

### GEAFOL Neo<sup>1)</sup>

- Innovative clean design
- Small dimensions and low weight
- Use almost everywhere
- up to 6,3 MVA
- up to 40,5 kV



### GEAFOL<sup>1)</sup>

- High efficiency → low TCO
- With off-circuit or on-load tap changer
- Compact design
- up to 50 MVA
- up to 52 kV



### GEAFOL Converter Transformer<sup>1)</sup>

- High short circuit withstand capability
- High overload capability
- High operational reliability
- up to 50 MVA
- up to 52 kV



# Discover our dry-type transformers

## Main features and customers' benefit at a glance

### Safe and reliable



- High power-frequency voltage and impulse voltage strength
- Free from partial discharges up to twice the rated voltage
- Huge overload capability
- Moisture-resistant and tropicalized
- High and low temperatures

### Adaptable



- Increase of rating up to 50 % by mounting of fans

### Environmentally acceptable



- No liquid insulator
- Low noise level
- Flame-resistant and self-extinguishing
- Recyclable

### Compact



- Small ground area requirement

### Economical



- Installation at load centers permits optimum system design
  - high efficiency = cost optimization
- Simple rearrangement of power supplies when changing sites
- No special rooms or protection needed

### Practically maintenance-free



- No specific maintenance needed
- Only cleaning and inspection recommendation by system owners

# A global operating dry-type distribution transformers business

## Cast resin DT factory network

### Guanajuato, MX

Cast resin DT

- up to 5.000 kVA
- Up to 40,5 kV

### Kirchheim, DE

Cast resin DT

- up to 50.000 kVA
- up to 52 kV

### Budapest, HU

Cast resin DT

- up to 3.150 kVA
- up to 40,5 kV

### Jundiaí, BR

Cast resin DT

- up to 25.000 kVA
- up to 40,5 kV

### Guangzhou, CN

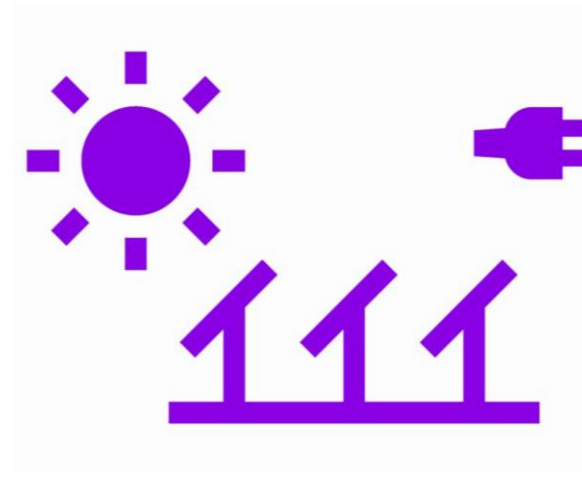
Cast resin DT

- up to 20.000 kVA
- up to 40,5 kV

# Reference: GEAFOL® cast-resin transformers for photovoltaic in Brazil

## Key facts

- Project: PV Plant Porteirinha I
- Customer: Mori Energia
- Destination: Minas Gerais – Brazil
- Order: FY20



## Highlights

- Low losses transformers for a booming market
- Customized design for 30 plants in more than 17 cities in Brazil

## Product specification

- 1000kVA 13,8/0,6kV ANAN
- 500kVA 13,8/0,6kV ANAN
- Outdoor solution IP54



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