



**Elpro**

# TRACTION POWER SUPPLY SYSTEMS

Switchgear  
1500V DC

# RECTIFIERS

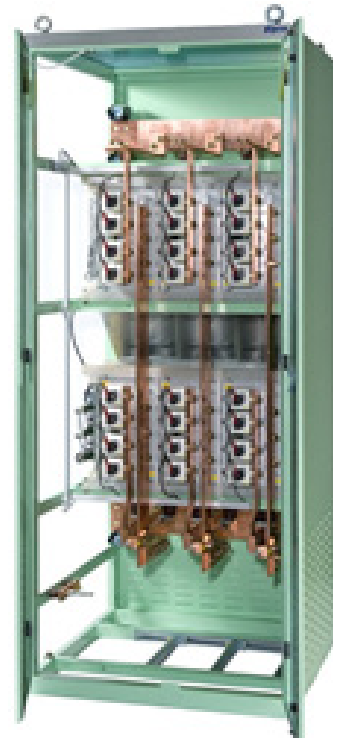
## Technical Specifications

Nominal voltage	1500V DC
Rated insulation voltage	3600V DC
Rated short-circuit current	each branch 14kA/10kA
Rated short-circuit duration	200 ms
Protection type	IP2X
Type testing standard	DIN EN 50328

## Configuration features

## Dimensions (WxHxD)

Nominal current 3000A DC (2xDC 1500A) with output field	12-pulse circuit 2x (B6U)2P	3000 x 2200 x 1300 mm
Nominal current 3000A DC (2x1500A DC) with output field	12-pulse circuit 2x (B6U)2P	3000 x 2200 x 1300 mm
Nominal current 3000A DC (2xDC 1500A)	12-pulse circuit 2x (B6U)2P	1500 x 2200 x 1300 mm



# RETURN CONDUCTORS

## Technical Specifications

Nominal voltage	1500V DC
Rated insulation voltage	3000V DC
Rated short-circuit current	100 kA / 71 kA
Rated short-circuit duration	200 ms
Protection type	IP4x/2X
Type testing standard	DIN EN 50123-6

## Configuration features

Depending on project-specific configuration, with varying number of return conductor branches and other components installed to customer requirements.

## Dimensions (WxHxD)

800 x 2200 x 1*** mm
1000 x 2200 x 1*** mm

1\*\*\* Depth adjusted to rectifier array or line array



# FEEDER

## Technical Specifications

Nominal voltage	1500V DC
Rated insulation voltage	3000V DC
Nominal current primary busbar	7000/5500/3000A DC
Rated short-circuit current	100 kA / 71 kA
Rated short-circuit duration	200 ms
Protection type	IP3X / IP 2X
Type testing standard	DIN EN 50123-6

## Configuration features

1 feeder up to 4000A DC	600 x 2200 x 1*** mm
2 feeders up to 4000A DC each	800 x 2200 x 1*** mm

1\*\*\* Depth adjusted to line array

## Dimensions (WxHxD)



# BYPASS

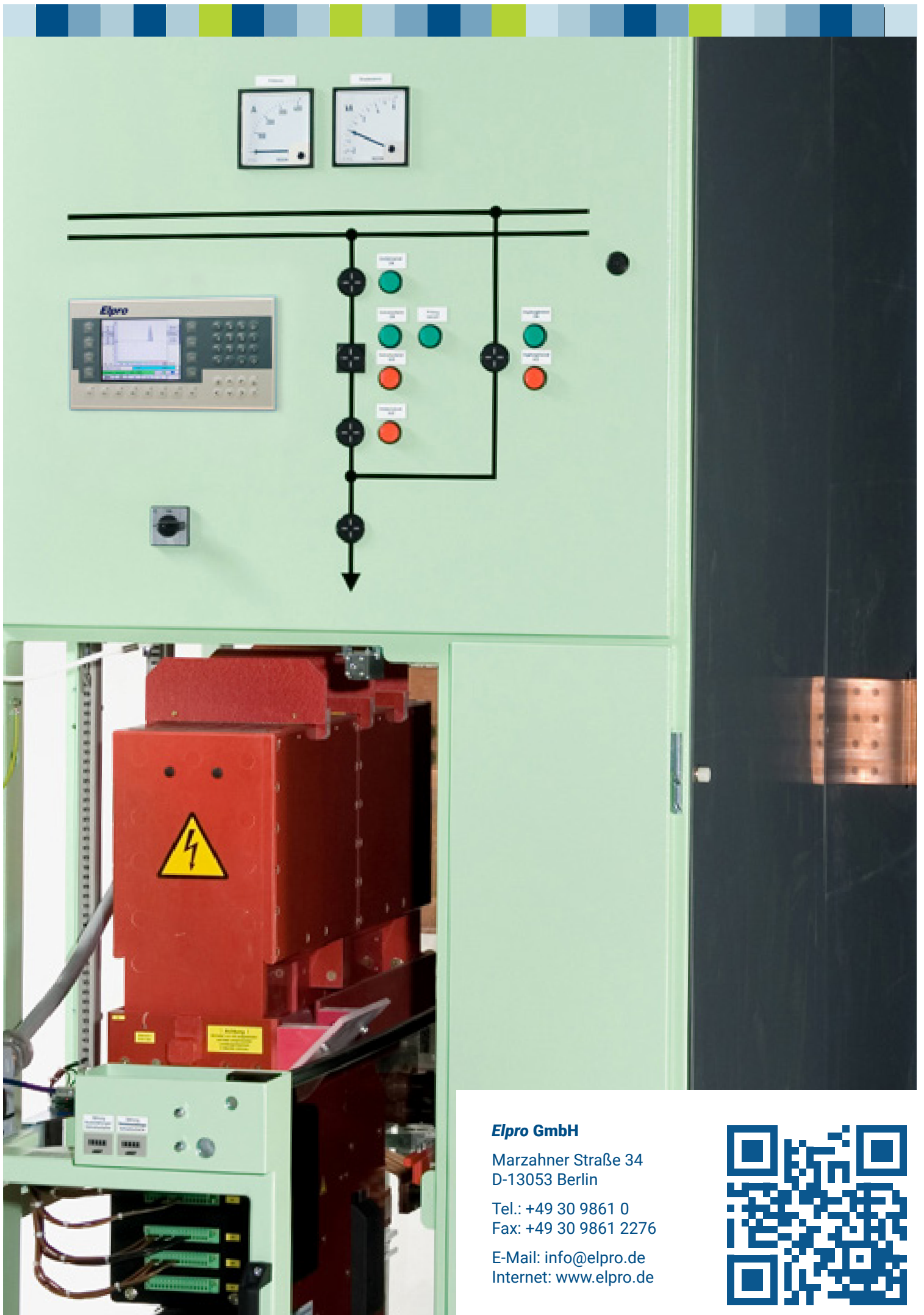
## Technical Specifications

Nominal voltage	1500V DC
Rated insulation voltage	3000V DC
Nominal current primary busbar	7000/5500/3000A DC
Rated short-circuit current	100 kA / 71 kA
Rated short-circuit duration	200 ms
Protection type	IP3x / IP 2X
Type testing standard	DIN EN 50123-6

## Configuration features

Configuration features			Dimensions (WxHxD)
Nominal branch current	2600A DC	without cable branch disconnect	620 x 2200 x 1500 mm
Nominal branch current	2600A DC	with cable branch disconnect	900 x 2200 x 1500 mm
Nominal branch current	4000A DC	without cable branch disconnect	620 x 2200 x 1600 mm
Nominal branch current	4000A DC	with cable branch disconnect	620 x 2200 x 1600 mm





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