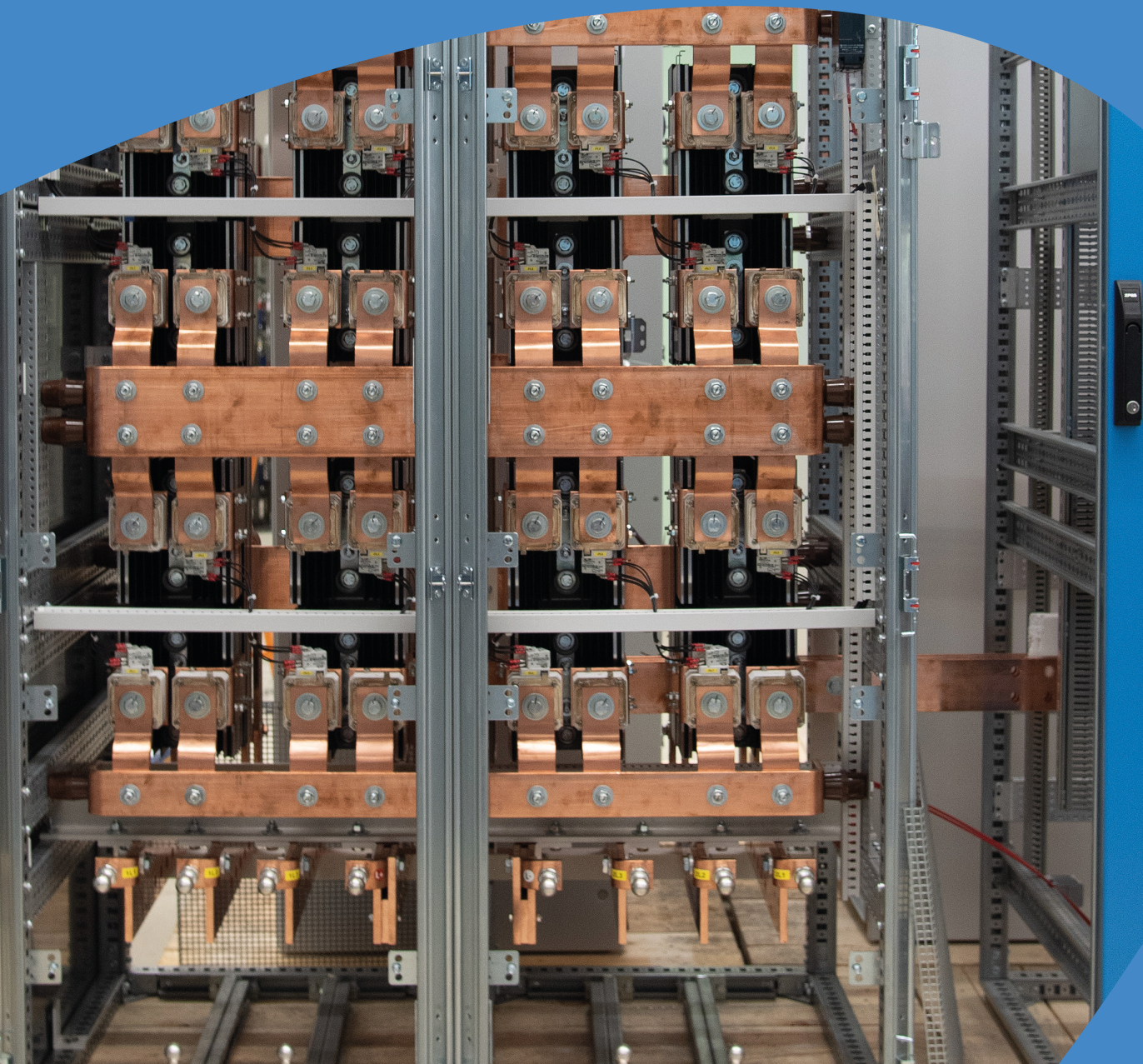




Elpro

ELVAR ELPRO LOW VOLTAGE AIRCOOLED RECTIFIER



ELVAR – THE STANDARDIZED, MODULAR RECTIFIER FOR TRACTION POWER SYSTEMS

The ELVAR rectifier (Elpro Low Voltage Aircooled Rectifier) meets the currently highest requirements of the traction power supply market. ELVAR features an extremely compact design while delivering high performance.

Technical Data

Width:	1200 mm
Height:	2200 mm
Depth:	800 mm
Weight:	1100 kg

Environmental Conditions

Ambient temperature:	-5 bis 40°C
Relative humidity	≤ 80%
Cooling medium:	Luft
Type of circulation	Natürlich
Degree of protection:	IP21

Electrical Characteristics

Circuit 12-pulse diode rectifier	2(B6U)2P	2(B6U)2P
Rated DC voltage	750 V DC	1500 V DC
Rated AC voltage	540 V AC (3-)	1080 V AC (3-)
Rated DC output voltage	900 V DC	1800 V DC
Rated AC input voltage	667 V AC (3-)	1333 V AC (3-)
Rated current	4000 A / 3000 A DC	4000 A / 3000 A DC
Short-circuit withstand capability, DC	100 kA / 80 kA	50 kA / 30 kA
Peak / continuous short-circuit current	10 ms / 400 ms	10 ms / 400 ms
Insulation voltage:	4600 V	9200 V
Rated frequency:	50 Hz	50 Hz
Load class:	VI	VI

Typenübersicht

Designation	Rated output voltage DC	Input voltage AC (3-)	DC current
ELVAR 15040	1500 V	1080 V	4000 A
ELVAR 15030	1500 V	1080 V	3000 A
ELVAR 7540	750 V	540 V	4000 A
ELVAR 7530	750 V	540 V	3000 A
ELVAR 7520	750 V	540 V	2000 A
ELVAR 7510	750 V	540 V	1000 A