

CAST RESIN TRANSFORMERS Special Applications





For over 10 years Power Sp. z o.o. have supplied their cast resin transformers worldwide for various applications. In the beginning Power production concentrated on standardised units for distribution. Nowadays we also supply special/bespoke transformers such as:

- 6-12-18-24 Pulse converters
- Step up transformers
- Multi-voltage transformers for photovoltaics,
- Starting transformers and autotransformers,
- Earthing transformers,
- Seismic/shake proof units
- Cast resin transformers according UK Design (BS)

We offer a wide range of customised solutions to meet our customers' requirements, and we are always at our client's disposal to assist with technical challenges. See some of our special units below.



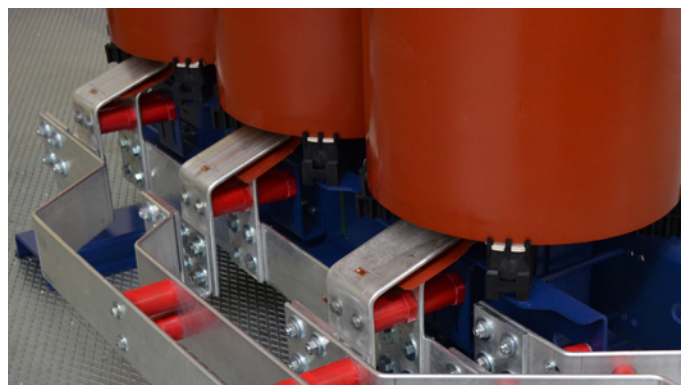
■ 1600 kVA-insulation class 36 kV-12-Pulse converter transformer manufactured for power supply of large generator in order to guarantee significant reduction of the harmonic distortion, generated on the power line. Installation place: Germany



■ 800 kVA transformer in IP 21 indoor enclosure according UK design (IP 23 marshalling box, cut-out for additional equipment). Installation place: UK



■ 1000 kVA cast resin transformer with multi-voltage outputs on the secondary side. This transformer is used as an interface between different inverters of the photovoltaic panels and the distribution line and requires therefore very resistant structure due to frequent switch on and off of the plant. Installation place: Czech Republic



■ Customized solution for bottom side LV connection with bars positioned according to the client request. Installation place: Russian Federation



■ 250 kVA 21/0.4 kV cast resin transformer with shake proof reinforcement structure for installation in seismic active areas. This technical solution may be used in case of installation inside the mines, nuclear power plants and seismic active areas. Standards applied: IEEE 693-2005, GOST 17516.1-90 and ETG 1.020. Installation place: Chile



■ Power Sp z o.o. supplies also single-phase cast resin transformers for auxiliary supply system for railway. Pictured above you can see 315 kVA single-phase cast resin transformer supplied and installed in Switzerland.



■ 1600 kVA cast resin transformer installed inside customized IP23 enclosure. Power offers a wide range of tailor made IP protection boxes up to IP54 with special ventilation system, permitting the correct dissipation of heat, and antivibrations pads in order to reduce the noise level. Installation place: Spain

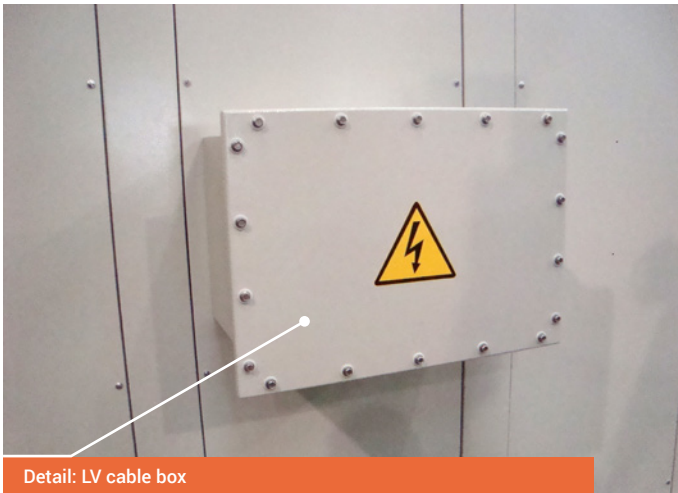


■ 2 x 1250 kVA, 20/0,4 kV cast resin transformers with customized painting and finishings. Power Sp. zo.o. offers tailor made branded cast resin transformers to all those clients, who prefer to provide directly their clients with their own transformers. Installation place: Germany

CAST RESIN TRANSFORMERS

With IP Protection enclosure for outdoor installation.

Following strong market demand Power Sp. Zoo have developed and are supplying standard and special cast resin transformers with IP protection enclosure, equipped and designed according specific needs. According to clients request we provide LV barwork terminals (made of aluminium or copper), marshalling box, LV cable box, HV cable box, HV bushings. Alternatively the protection enclosure may be supplied with cut-out with aluminium gland plates on top or side panels. All IP boxes may be provided with double access doors or hinged door with standard or special lock.



Detail: LV cable box



IP 54 protection enclosures for outdoor installation



MV neutral cable box



MV cut out with predisposition for RMU or other accessories



IP54 marshaling box with temperature protection relay



500 kVA Cu/Cu transformer with IP 23 outdoor enclosure