

# Cast Resin Transformers

Maintenance-free, fire-safe dry-type transformers

Dry-type cast resin transformers for fire-safe indoor and outdoor use — hospitals, data centres, tunnels, offshore platforms, BESS and solar. No oil means no leaks and no soil or groundwater contamination risk.

## TECHNICAL SPECIFICATION

### Standard parameters

|                              |                                    |
|------------------------------|------------------------------------|
| Rated power                  | 100 – 4,000 kVA                    |
| Primary voltage              | Up to 36 kV                        |
| Secondary voltage            | 400 / 420 V (configurable)         |
| Frequency                    | 50 Hz                              |
| Vector group                 | Dyn11 (others on request)          |
| Cooling                      | AN / AF (forced air)               |
| Impedance (uk)               | 6 % (typical)                      |
| Enclosure                    | IP00 – IP31 (to specification)     |
| Climate / environment / fire | C2 · E2 · F1                       |
| Standards                    | IEC 60076-11 · EU EcoDesign Tier 2 |

## CAPABILITIES

### Why choose this range

- No oil — no leaks, no bunding, and no contamination risk for sensitive sites.
- F1 fire behaviour class — the safest choice for public and occupied buildings.
- Low noise and low maintenance; routine visual inspection is typically all that is needed.
- Service life of 25 – 40 years for a low total cost of ownership.
- Harmonic- and cyclic-load tolerant — ready for BESS and solar inverter duty.
- Available with IP-rated protective enclosures for complete outdoor solutions.

*Values are typical standard configurations. Final ratings, losses and impedance are engineered to your specification and confirmed in your order. Every unit ships with a full IEC 60076 test report.*