

500kVA Tier 2 - Aluminium Wound Mineral Oil Filled Distribution Transformer

Specification	BS EN 60076
Part Number	500STDALT2CRGOOF
Rated Power, Sr	500 kVA
Rated Frequency, fr	50 Hz
Rated High Voltage, Ur	11000 v
Rated Current, Ir	26.24 A
HV Tapping Range	+7½, -5 %
Tap Switch, CFVV	Off circuit
Tap Steps	5 x 2½ %
Rated Low Voltage, Ur	415 v
Rated Current, Ir	695.60 A
Cooling Method	ONAN
Thermal Class	A (105°C)
Location	Indoor/Outdoor
Coolant	Mineral Oil
Insulation Level	Li75.Ac28 / Ac3
Vector Group	Dyn11
Core Material	CRGO
Winding Material	Aluminium
Temperature Rise, Oil/Wdg	60 / 65°C
Load Loss @ 75°C	3900 W
No Load Loss	459 W
Tier 2 EU 548/2014	Ak Ao -10 %
Impedance	4.75%

HV Cable Box

3 pole single gland air filled, shroud insulated, suitable for a single multi core cable from below complete with a mild steel gland plate. Compliant with BS EN 50336 and BS 2562.
(Excludes necessary glands, lugs and termination kit).

LV Cable Box

4 pole 4 gland air insulated, suitable for single core cables from below, complete with mono block bushing, non-magnetic gland plate. Compliant with BS EN 50336 and BS 2562.
(Excludes necessary cables, glands and lugs).

Paint Finish

Painted in accordance with our standard system with a dark grey finish to BS381c – 632 incorporating corrosion category C4 of ISO 12944.

Neutral Point

A fully rated neutral point provided as standard.

Standard Fittings

ENA TS 35-1 terminal height

Oil filler top plate
Oil level indicator
Main lifters
Breather Pipe
Thermometer pocket
Rating and diagram plate with CE and UKCA marks
Oil drain / sampling valve
Stainless steel earth lugs
Jacking points
Skid under base

Standard Accessories supplied loose

1 x Desiccant breather
2 x Tins touch up paint (1x Grey, 1x Yellow)
1 x Paint Brush
1 x Transformer routine test certificate
1 x Certificate of Conformity
1 x O&M manual

For standard definitions and references please refer to the latest edition of BS EN 60076-1.

Bowers Electricals Ltd, Heanor Gate Road, Heanor, Derbyshire DE75 7GX

Telephone: 01773 531531 (24 hours) Fax: 01773 716171

E-mail: enquiries@bowerselec.co.uk www.bowerselec.co.uk

Registered at the above address in England Company No: 1955004 VAT Ref: 4163613