

# Totalpad

## KIOSK SUBSTATIONS

Product Data Sheet

Revision: 4

**ETEL**

ISO 9001 Registered

ETEL's Totalpad is designed to minimise the total cost of owning a distribution substation. The Totalpad is a complete kiosk or 'package' substation, consisting of a ring main unit, transformer and optional LV fuse frame in one compact outdoor enclosure.

Installation is simple: the complete kiosk is lowered onto a concrete plinth, and the HV and 415V connections made. The ring main unit is connected to the transformers HV windings in-factory, so that no customer interconnection is required.

Totalpad offers a swift method of supplying a low cost berm substation with maximum flexibility and minimum ongoing maintenance.

*An example general arrangement drawing, utilising two popular RMU brands, can be found on the reverse of this brochure.*



## Features

- Customer specified Oil/SF6/Vacuum ring main unit
- All HV switches and brands considered
- Compact size with high performance
- Minimum installation costs
- Minimum maintenance costs
- High level of protection from internal arc
- Full automation options
- Zinc Spray Paint system available
- Standard Transformer oil or biodegradable fluid options available
- Lifting lugs.

## Technical Specifications

<b>Core Type</b>	Distributed gap wound core, core type transformers
<b>Electrical Steel Type</b>	Cold rolled, grain oriented, silicon steel sheets
<b>Tank Sealing</b>	Hermetically sealed
<b>Oil Type</b>	Oil filled to BS148 and AS1767
<b>kVA sizes available</b>	100, 150, 200, 300, 500, 750, 1000, 1250, 1500 3 Phase
<b>HV Volts</b>	6600, 11000, 22000, 33000
<b>LV Volts</b>	415 - 240 as standard (others available)
<b>Connection</b>	Dyn11 as standard (others available)
<b>HV Tappings</b>	+5% to -7.5% up to 300kVA +2.5% to -10% 500kVA & above Tapping in steps of 2.5%
<b>Oil / Winding Rises</b>	60 / 65°C as standard (others available)
<b>BIL / Power Frequency Levels</b>	95kVpeak / 28kVrms 150kVpeak / 50kVrms
<b>Maximum Operating Pressure</b>	35kPA

