



## 11kV SWITCHGEAR / PANELS

| PANELS                        | RATED VOLTAGE (A. C) | BREAKING CAPACITY | RATED FREQUENCY | VACUUM CIRCUIT BREAKER | RELAYS                                               | CURRENT TRANSFORMER                    |                                      | POTENTIAL TRANSFORMER | ENERGY METER | SURGE ARRESTOR | DIMENSIONS               |
|-------------------------------|----------------------|-------------------|-----------------|------------------------|------------------------------------------------------|----------------------------------------|--------------------------------------|-----------------------|--------------|----------------|--------------------------|
| Incoming Panel (40MVA)        | 12kV                 | 25kA              | 50Hz            | 2500Amp                | O/C, E/F, BACKUP E/F, SUPERVISION                    | Metering Protection 2400:1200:/5/5A    | Differential Protection 2400:1200/5A | 11000/√3 / 110V/√3    | ✓            | -              | 2200mm x 900mm x 2200mm  |
| Incoming Panel (26MVA)        | 12kV                 | 25kA              | 50Hz            | 2500Amp                | O/C, E/F, BACKUP E/F, SUPERVISION                    | Metering Protection 1600:800:/5/5A     | Differential Protection 1600:800/5A  | 11000/√3 / 110V/√3    | ✓            | -              | 2200mm x 900mm x 2200mm  |
| Outgoing Panel                | 12kV                 | 25kA              | 50Hz            | 630Amp                 | O/C, E/F, SUPERVISION                                | Metering/Protection 400:200:/5/5A      |                                      | -                     | ✓            | 12kV 10kA      | 2200mm x 900mm x 1600mm  |
| Bus-Coupler Panel             | 12kV                 | 25kA              | 50Hz            | 2500Amp                | -                                                    | -                                      |                                      | -                     | -            | -              | 2200mm x 2200mm x 1900mm |
| Consumer Panel                | 12kV                 | 25kA              | 50Hz            | 630Amp                 | O/C, E/F SUPERVISION                                 | Metering 400:200:/5A                   | Protection 400:200:/5A               | 11000/√3 / 110V/√3    | ✓            | 12kV 10kA      | 2200mm x 900mm x 1800mm  |
| Industrial Panel              | 12kV                 | 25kA              | 50Hz            | 630Amp                 | O/C, E/F                                             | Metering 50/5A, 100/5A, 200/5A, 400/5A | Protection 400:200:/5A               | 11000/√3 / 110V/√3    | -            | -              | 2200mm x 900mm x 1800mm  |
| Capacitor Control Panel       | 12kV                 | 25kA              | 50Hz            | 630Amp                 | O/C, E/F, Capacitor Un-Balance, O/V, U/V SUPERVISION | Metering/Protection 400:200:/5/5A      |                                      | -                     | -            | 12kV 10kA      | 2200mm x 900mm x 1600mm  |
| Bulk Metering Panel           | 12kV                 |                   | 50Hz            | -                      | -                                                    | 100/5A, 200/5A & 400/5A                |                                      | 11000/√3 / 110V/√3    | ✓            |                | 1200mm x 1000mm x 1100mm |
| Change Over Panel (Automatic) | 12kV                 | 25kA              | 50Hz            | 630A                   | O/C, E/F Automatic Changeover                        | Metering/Protection 400:200:/5/5A      |                                      | 11000/√3 / 110V/√3    | -            | 12kV 10kA      | 2200mm x 900mm x 1800mm  |