



PETE - Hammond Transformative Synergy



Ring Main Unit with Oil-cooled Transformer



Compact Sub-station with Dry Transformer

COMPACT SUB-STATION WITH RMU (UPTO 3500 KVA)

- Fully Integrated System
- Single Window Solution
- Compact Design & Easy Handle in Loading & Unloading Conditions
- Minimize Civil Foundation Work at Site
- Easy to Work at Remote Location
- Easy to Transportable & Ready to Install

TECHNICAL DATA COMPACT SUB-STATION

Packaged substation is designed to provide safety, reliability, compactness and economical Electrical power distribution for industrial plants, commercial buildings, solar power projects, outdoor or indoor lighting and other general purpose applications.

The series of packaged substation is for voltage class up to 33 KV. It is a fully equipped Packaged Substation (PSS) that includes MV switchgear (Optional: Ring Main Unit (RMU), Vacuum Circuit Breaker (VCB), Load Break Switch (LBS), Distribution Transformer (Oil Cooled / Dry Type) & low voltage panel housing and APFC Panel (optional). Only the incoming & outgoing cables need to be connected at site.

The packaged substation is completely Self protected. Each substation contains three main equipments: HT compartment, transformer compartment and LT compartment. All compartments are individually accessible by their hinged door from outside.



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|---------------------|-----------------------|-------------------------|---------------------------|
| 1. CSS Capacity | : Up to 3500KVA | 5. Application | : Indoor / Outdoor |
| 2. HV Voltage | : Up to 33KV | 6. Applicable standards | : IS 11171/ IEC 62271-202 |
| 3. LV Voltage | : Up to 433V | 7. Enclosure | : Upto IP-54 |
| 4. Winding Material | : Electrolytic Copper | 8. Insulation class | : Class A, F & H |

PRODUCT FEATURES:

- | Epoxy powder coating provides corrosion and weather proof enclosures in accordance with IEC 62271-202
- | Mechanical interlocks are provided for door ensuring human safety
- | Modular construction of enclosure provides high degree of flexibility to meet specific site requirements
- | Fully compartmentalized construction for MV switchgear, transformer & LT switchgear
- | Interlocks to prevent insertion / withdrawal of closed circuit breaker

- | Micro processed based trip units option, External & internal earth fault protection options available in ACB / MCCBs
- | Comprehensive system protection: Over current, short circuit, earth fault protection options available in RMU, ACB & MCCB
- | Occupies less space, about 1/4th the space required for open installation
- | Ensures operator safety ,protection & Environment
- | Sufficient cooling of the integrated system is achieved by means of louvers in transformer compartment
- | Customized design to suite site conditions



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■ BENGALURU | CHENNAI | COIMBATORE
■ MUMBAI | PUNE | DELHI

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