



PARTNER LICENCED BY
Schneider
Electric



PACKAGE SUBSTATION

DESIGNED BY SCHNEIDER ELECTRIC INDUSTRIES SAS,
FRANCE

IN ACCORDANCE WITH IEC 62271-202 •

THE EFFICIENT SOLUTION FOR
ELECTRICAL DISTRIBUTION NETWORK •

PSR Private Limited, incorporated in 1993, has been manufacturing specialized and custom built machines suiting individual and specific customer needs.

PSR has now ventured into a new project as a licensee partner of **Schneider Electric**. PSR is making factory assembled package substations designed by **Schneider Electric, SAS, France**. It is a state-of-the-art, self contained and flexible power distribution equipment which satisfies the requirements of every customer, however unique.



WHAT IS A PACKAGE SUBSTATION ?

Package Substation is a combination of **Medium Voltage Switchgear (RMU)**, **Transformer & Low Voltage Panel**. **Package Substation** comes with a beautiful enclosure that offers safety, security and cost benefit to all concerned while distributing effective electrical power in medium voltage to low voltage distribution systems.

MEDIUM VOLTAGE SWITCHGEAR/RMU

- ✓ Schneider Electric make SF6 Insulated MV Switchgear of FBX (11 KV PSS).
- ✓ RMU can be motorized / manual as per the requirement.
- ✓ We offer RTU also as Integral part of PSS.



TRANSFORMER



LOW VOLTAGE SWITCHGEAR (WITH OR WITHOUT METERING)

- ✓ Schneider make LV Switchgears :
 - (i) ACB (Type : MDO, EDO, FM, FE)
 - (ii) MCCB



PACKAGE SUBSTATION CONFORMS TO IEC : 62271-202 AND FULLY TYPE TESTED :



Temperature Rise Tests



Degree of Protection (ip) tests



Mechanical Tests

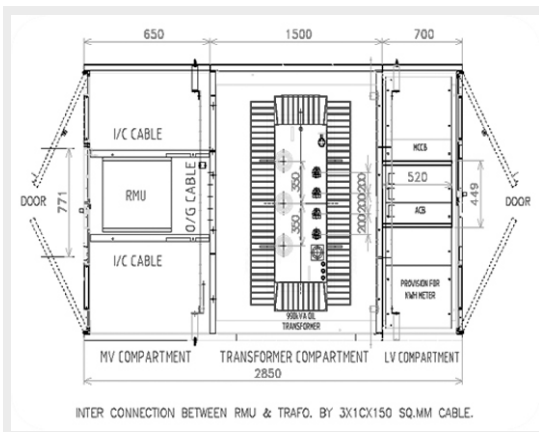


Internal Arc Tests

SALIENT FEATURES OF SCHNEIDER MAKE PACKAGE SUBSTATION :

- ✓ Factory built package substation assemblies meet users' needs with respect to reliability safety, overall quality, appropriateness for the local surroundings.
- ✓ 2 mm thick painted GI enclosure mounted on a hot dip galvanized 4 mm thick GI base.
- ✓ Partitions between compartment with 2 mm thick GI sheet.
- ✓ Gaskets / Stiffeners provided as required.
- ✓ Internal Arc Tested for 20 kA -1s.
- ✓ Access to MV& LV compartment provided through double door arrangement.
- ✓ Louvers designed for natural ventilation and thermal class K10.
- ✓ Roof designed to support load up to 250 kg/m².
- ✓ Spaciously designed to have adequate clearance.
- ✓ Internal lighting facility provided.
- ✓ Degree of protection – IP54 for HT and LT compartments, IP34 for transformer compartment.
- ✓ Options in dimensions based on range of standard transformer ratings.
- ✓ Fitted with a lifting beam for easy installation at.

TYPICAL GA DRAWING OF SCHNEIDER-MAKE PSS



BIOSCO RANGE IN INDIA

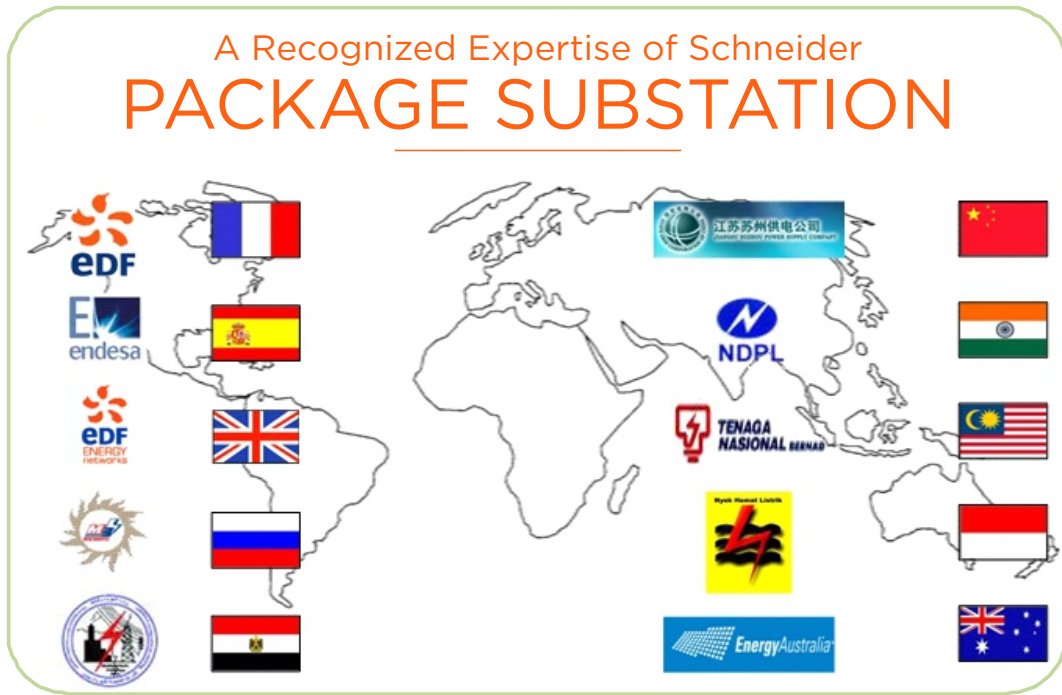
RANGE	IN05 (500 KVA)	IN05H (500kVA)	IN10 (1000KVA)	IN16 (1600KVA)
W	1530	2000	2000	2400
L	3300	2850	3300	4500
H	2200	2200	2400	3050
RMU	RINGMASTER	FBX/ RINGMASTER	FBX/ RINGMASTER	FBX/ RINGMASTER /FLUSARC

ALL DIMENSIONS ARE IN MM

PRODUCTION LINE OF PACKAGE SUBSTATION



A Recognized Expertise of Schneider
PACKAGE SUBSTATION



WHY PACKAGE SUBSTATIONS



Safety : A Fully Tested
Electrical Equipment



Time & Money : Reduced
cost/time of installation



Reliability : IEC 62271-202
compliant Substations

PSR PRIVATE LIMITED

F-7, RIC Industrial Estate, Parnashree, Behala, Kolkata - 700060, India

e-mail : info@psrpvtltd.com

Ph. : +91 33 2970 1295

Website : www.psrpvtltd.com

www.psmagnapower.com