

Whether you generate, distribute or consume power, **Power+** will give you a versatile and cost effective range of Medium Voltage Switchgear panels, and other accessories with ratings and features comparable with the best in the world.



Power+ VO



Power+ V



Power+ F3



Power+ F

PRODUCT RANGE

- Power+ V VCB Panels Indoor type up to 12 KV
- Power+ F SF6 Panels Indoor type up to 36 KV
- Power+ M VCB HT Motor Starter Panels
- Power+ VO VCB Panels Outdoor type up to 12 KV

- Power+ F3 SF6 Panels Outdoor type up to 36 KV
- Power+ R Relay and Control Panels
- Power+ N Neutral Grounding Resistor Panels
- Power+ B MV BUS-DUCT

INTRODUCTION

Our aim is to provide a comprehensive range of highly reliable POWER equipments to Utilities, Contractors, Industry users, OEMs and Projects.

With the right mix of T&D products, a WORLD-CLASS Team and a REPUTABLE name for engineering and project management, we can provide you with the ideal solution for your particular power supply & distribution networks, whether standardized or customized.

Buying equipments from New India Electricals means gaining a partner you can rely on for your equipment's lifetime. We shall help you make decisions regarding your needs right from the early design stage, to the actual delivery phase and throughout its life cycle.

Our field of expertise covers the entire END-to-END solution for POWER DISTRIBUTION & TRANSMISSION upto 400KV. Design, Manufacture, Source, Supply, Erect, Test, Commission, Handover & Maintain.

Our equipments are manufactured under the most stringent quality processes with a clear focus on performance and longevity. This is why we source sub components from global leaders like ABB, AREV A, SIEMENS, ALSTHOM and the like.

We design and manufacture Metal Clad Medium Voltage Panels with a simple philosophy of: Longevity & Reliability. Our Specifications conform to relevant IS / BS & IEC Standards. Our units are designed to withstand a higher degree of electrical impulses, short circuit forces, thermal and dynamic stresses. With Optimum utilization of active material we achieve compactness & efficiency in performance. With special design features developed over many years of practical experience we are able to offer trouble-free performance during surges & frequent short circuits. By Standardising manufacturing techniques we ensure cost effectiveness & reliability in performance.

All our units are TYPE-TESTED at Central Power Research Institute, INDIA.

Switchgear Type Power⁺ V/F

3.3 KV to 36 KV Air Insulated Indoor Vacuum / SF6 Switchgear

SALIENT FEATURES

- > Metal clad construction- all segregated compartments
- > P4X degree of protection externally & IP2X between compartments
- > Independent exhaust vents for all HT compartment
- > Modular Construction for expansions with bolted structure
- > Type Tested for BIL & short circuit as per IEC 62271/200/2003
- > Lipped-edge construction for additional strength
- > Rodent proof
- > Optional integral earth switch line side
- > Maintenance friendly
- > Foundation frame as standard supply



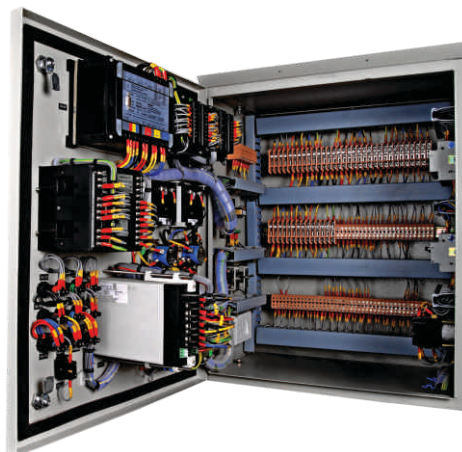
Power⁺F



Power⁺V

DESCRIPTION	UNIT	Power+ V	Power+ F	Power+ F3	Power+ V3*
Rated Voltage	KV	3.3 to 12	3.3 to 12	36	36
Rated Frequency	Hz	50	50	50	50
Rated Busbar Current	A	Upto 3000 A	3000 A	2000 A	2000 A
Short time	KA	26.2/40	40	31.5	31.5
Withstand Current	KAb	66/100	100		
Insulation Levels	KVrms/KVp	28/75	28/75	70/140	70/140
Dimensions LxDxH	mm	600x1450x2350 800x1450x2350	800x1450x2350	1220x2300x2300	1200x2300x2200
Degree of Protection					
* Enclosure		IP4x	IP4x	IP4x	IP4x
* Between Compartments		IP2x	IP2x	IP2x	IP2x
Weight with Breaker (App)	KG	750	850	1300	1200

*To be launched soon



Power⁺VO



Power⁺F3



Power+ VO



Power+ F30

Kiosk Type Power+ VO & FO

3.3 KV to 36 KV Air Insulated Outdoor Kiosk Type Vacuum / SF6 Switchgear

SALIENT FEATURES

- > Kiosk Type construction with double door in the front
- > Rear door is both hinged and bolted for safety
- > Adequate slope given on top roof to drain water, dust and particles
- > Robust weather & dust proof-IP5X degree of protection externally and IP2X between compartments
- > Fully welded construction, duly Powder painted after seven tank process pre-treatment
- > Type tested for BIL and Short circuit as per IEC 62271/200/2003
- > Kiosk available in both Cable in / Out design, and side extendable kiosks
- > Rodent proof
- > Lockable front main door
- > Maintenance friendly
- > Foundation frame as standard supply

DESCRIPTION	UNIT	Power+ VO	Power+ FO	Power+ F30
Rated Voltage	KV	3.3 to 12	3.3 to 12	36
Rated Frequency	Hz	50	50	50
Rated Busbar Current	A	Upto 2000 A	3000 A	2000 A
Short time	KA	26.2/40	40	31.5
Withstand Current	KAb	66/100	100	
Insulation Levels	KVrms/KVp	28/75	28/75	70/140
Dimensions LxDxH	mm	700x1450x2350	800x1450x2350	1220x2300x2300
Degree of Protection				
* Enclosure		IP54	IP54	IP54
* Between Compartments		IP2x	IP2x	IP2x
Weight with Breaker (App)	KG	900	1000	1500



Power+ VO

Neutral Grounding Resistor Panel

SALIENT FEATURES

- > Metal clad construction
- > IP31 degree of protection
- > Available for both SS Grade and 304 and 410
- > Lipped edge construction for additional strength
- > Rodent proof



NGR Panels



HT Bus-duct

Non-Phase Segregated Bus-Duct

SALIENT FEATURES

- > Metal enclosed construction
- > IP4X for Indoor and IP52 for Outdoor
- > Sleeved Busbars
- > Type tested for BIL & temperature rise as per IS at CPRI, Bangalore strength

Relay and Control Panel

SALIENT FEATURES

- > For voltage up to 132 KV
- > Complete Metering and Indication
- > Custom made for any specialisation



NGR Panel



Relay & Control Panel

