

Reactors

- Neutral grounding reactors
- Tuning reactors
- Current limiting reactors
- Damping reactors
- Iron core reactors for indoor applications
- Air core reactors for outdoor applications



Technical Details

| | |
|-------------------------------------|----------------------------|
| Rated voltage | 3.6kV to 36kV |
| Rated frequency | 50/60 Hz |
| Power frequency withstand voltage | 20kVrms to 95kVrms |
| Lightning Impulse withstand voltage | 60kVpeak to 250kVpeak |
| Design ambient temperature | 35°C to 55°C |
| Conductor | Copper / Aluminium |
| Insulation | Polyester / Fibre Glass |
| Encapsulation | Epoxy resin / Polyurethane |



All reactor designs are verified by type testing for lightning impulse voltage withstand and temperature rise. All manufactured reactors are subject to routine tests as required by applicable IEC standards.



Quality assurance: Power Economy assures quality of all its product and services. Power Economy business process is certified for ISO:9001-2000



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Air core reactors are suitable for outdoor applications. Reactor coils are braced between top and bottom aluminum spiders. The reactors are mounted on porcelain post insulator single phase units are stacked to make 3 phase units.

Iron core reactors can be installed on floor or in enclosures. Enclosures are made-up of cut and welded steel angles. Covers and doors are made-up of sheet steel fabricated using CNC and NC machines. Enclosure components are powder painted for protection.

High grade magnetic material laminates are used to prepare Iron core reactors. Copper or aluminium conductors are used to prepare coils. Liquid epoxy resins are used to pretreat the conductors before winding.



To obtain details on all our products please visit us at
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Power Economy reserves the right to change data and illustrations, due to technical development without prior notice.