



**Transformer, Switchgear and Electrical Power Solutions**

**DRY TYPE TRANSFORMERS**



**Cast Resin Transformers**

Voltage levels up to 72.5 kV (350 kV BIL)  
 Ratings 300 kVA – 45 MVA  
 Cast primary and secondary  
 NEMA enclosure options  
 Fused disconnect options



**VPI Transformers**

Voltage level up to 25 kV (110 kV BIL)  
 Ratings up to 14.5 MVA  
 NEMA enclosure options  
 Low voltage designs

**Specialty Transformers**

Reactors  
 Submersible network transformers  
 Up to 54 pulse transformers  
 Phase shifting  
 Zig zag/grounding transformers

**PAD MOUNT TRANSFORMERS**



**Single-phase Liquid-filled Pad Mounted Transformers**

Voltage level up to 34.5 kV  
 Power range up to 167 kVA  
 ANSI/IEEE and NEMA standards  
 UL Listed



**Three-phase Liquid-filled Pad Mounted Transformers**

Voltage level up to 34.5 kV  
 Power range up to 5000 kVA  
 ANSI/IEEE and NEMA standards  
 UL Listed

**SWITCHGEAR**



**Air-insulated Switchgear**

Up to 15 kV, 3000 A, 50 KAIC  
 Utilizes J3MAG™ breaker  
 Indoor and outdoor options available



**Gas-insulated Switchgear**

Up to 38 kV, 3000 A, 40 kA  
 Up to 69 kV, 1200 A, 31.5 kA  
 Indoor and outdoor options available



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**SMALL MPOWER TRANSFORMERS**



**Small Power Transformers**

Power ratings 5 MVA – 100 MVA (max with fans)  
 Primary voltage up to 161 kV (650 kV BIL)  
 Dielectric coolant – mineral oil/ natural ester/synthetic  
 Maximum manufacturing weight 100 tons  
 Built to IEEE, IEC, GB/T and ANSI standards

**OUTDOOR SUBSTATION BREAKERS**



**OD3MAG™ Outdoor Breakers**

Up to 15 kV, 2000 A, 31.5 KAIC  
 Magnetically actuated breaker  
 Single-phase capability with independent pole actuators  
 No maintenance requirements

**UNIT SUBSTATIONS**



**Medium Voltage Unit Substations**

Packaged solution includes:  
 Switchgear, disconnect switch  
 Cast resin or oil-filled transformer up to 5 MVA  
 Inverter, used for BESS and solar applications  
 Skid-style construction and containerized solutions

**ENERGY STORAGE**



**Battery Energy Storage Systems (BESS)**

Voltage ratings 5 kV – 38 kV  
 Maximum stand-alone capacity 2 MWh – 5 MWh  
 UL, IEEE and IEC rated  
 Customizable for any Grid-Scale or C&I application