Intelligent Solutions Group International

Cast-Resin Transformers

Dry-type transformer options for indoor and critical-space power distribution.



Representative configuration

KEY FEATURES

- Oil-free transformer construction
- Low partial-discharge insulation design
- Harmonic and K-factor options for nonlinear loads
- Configurations for occupied and critical spaces

TECHNICAL SPECIFICATIONS

RATING	300KVA - 15 MVA
VOLTAGE	upto 36kV
COOLING	AN / ANAF
CLASS	F1 – fire behaviour C1, C2 & C3 – Climate E2 – condensation & humidity
LEAD TIME	16 — 18 weeks EXW

The source table states 16–18 weeks EXW; accompanying narrative states 14–16 weeks. Confirm the current factory schedule with your quotation.

APPLICATIONS

Data Centers, hospitals, marine facilities, renewable energy, industrial distribution

Confirm final ratings, applicable certification scope, production availability and delivery terms in the manufacturer's quotation and approved project submittal.

Intelligent Solutions Group International

Containerized Solutions

Integrated containerized power equipment packages with transformer and distribution equipment, structural fabrication and electrical integration.



Representative configuration

KEY FEATURES

- Custom enclosure and structural fabrication
- Transformer and distribution equipment integration
- Modular assembly and final finishing
- Project-specific interfaces and equipment layouts

PACKAGE SCOPE

IEC/IEEE/UL/CSA/DOE certified transformers
Custom Skid and Container fabrication
Steel Manufacturing Enclosures (IP64-IP65, Fire Rated)
Plug and Play Containerized Systems
In-house CNC, painting, and testing facilities
Complete Mechanical and Electrical Integration

Supplier brochure scope reproduced as published. Component standards and listings do not establish certification of the complete equipment package.

APPLICATIONS

Data Centers, renewable energy, industrial sites, and distributed power projects

Confirm final ratings, applicable certification scope, production availability and delivery terms in the manufacturer’s quotation and approved project submittal.

Intelligent Solutions Group International

EHV Power Transformers

Power transformers for transmission, grid interconnection, and substation reinforcement.



Representative configuration

KEY FEATURES

- CTC copper winding construction
- OLTC and remote tap-change control options
- Impulse and partial-discharge testing capabilities
- Radiator, bushing, and heavy-haul logistics coordination

TECHNICAL SPECIFICATIONS

RATING	≤ 500 MVA
VOLTAGE	138 / 230 / 345 kV class · 1175 kV BIL
COOLING	ONAN / ONAF / OFAF / ODAF · KNAN / KNAF
STANDARDS	IEEE C57.12.00 / C57.12.90 · ANSI C57.12.10 · IEC 60076
TESTING	In-house 360 kJ impulse · 3-channel PD measurement
LEAD TIME	42 — 46 weeks EXW

APPLICATIONS

Transmission networks, grid interconnection, substations, renewable energy hubs

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Intelligent Solutions Group International

Generator Step-Up Transformers

Step-up transformer configurations for generation, renewable energy, and storage interconnection.



Representative configuration

KEY FEATURES

- Configurations for generator-side duty
- Insulation coordination with switching and protection
- Monitoring and fluid options by application
- Heavy-haul shipping and site offload planning

TECHNICAL SPECIFICATIONS

VOLTAGE	Up to 345 kV — covering 72 / 132 / 220 / 345 kV classes
BIL & INSULATION	Up to 1175 kV BIL
COOLING	ONAN / KNAN · ONAF / KNAF
STANDARDS	IEEE C57.12.90 · IEC 60076
LEAD TIME	32 — 34 weeks EXW

APPLICATIONS

Hydro, thermal, combined-cycle, solar PV, wind, and BESS projects

Confirm final ratings, applicable certification scope, production availability and delivery terms in the manufacturer’s quotation and approved project submittal.

Intelligent Solutions Group International

Industrial Control Panels

PLC and automation control panels for industrial process and equipment applications.



Representative configuration

KEY FEATURES

- PLC and automation control configurations
- Enclosure selection for the installation environment
- Integrated protection and safety interlock options
- Custom panel layouts for project requirements

TECHNICAL SPECIFICATIONS

Electrical Ratings	
Voltage	Up to 600V
Frequency	50Hz/60Hz
Construction	
Panel Type	PLC/ Automation Control Panels
Enclosure	NEMA 1 / NEMA 12 / NEMA 3R / NEMA 4X
Protection	
Features	Overload, Short Circuit, Safety Interlocks
Standards Compliance	
Standards	UL 508A, CSA
Certifications	UL Listed
Applications	
Usage	Industrial Automation, Process Plants

Confirm final ratings, applicable certification scope, production availability and delivery terms in the manufacturer's quotation and approved project submittal.

Intelligent Solutions Group International

Low-Voltage Switchboards

Low-voltage distribution switchboards with configurable protection, bus construction, and monitoring.



Representative configuration

KEY FEATURES

- Bolted or modular construction options
- Breaker options from established manufacturers
- Remote monitoring and control configurations
- Application-specific protection and enclosure selection

TECHNICAL SPECIFICATIONS

Electrical Ratings	
Voltage	480V / 600V
Current Rating	Up to 6000A
Frequency	50Hz / 60Hz
Short Circuit Rating	100kA
Breaker Make	Schneider SQD / LS Electric / ABB / Eaton / Siemens
Construction	
Form of Separation	Dead Front Switchboards
Busbar Type	Copper / Aluminium, Silver Plated
Enclosure	NEMA 1 / NEMA 12 / NEMA 3R (Optional)
Breaker Types	Fixed & Electrically Draw-out ACB
Protection Features	LSIG, ERMS, 100% Rated,
Standards Compliance	
Standards	UL 891, CSA, ANSI, NEMA
Certifications	UL Listed / CSA Listed Complaince
Applications	
Primary Applications	Data Centers, Utilities, Industrial Plants
Industries	EV Charging, Renewable Energy, Steel, Cement, Infrastructure

Confirm final ratings, applicable certification scope, production availability and delivery terms in the manufacturer’s quotation and approved project submittal.

Intelligent Solutions Group International

Medium-Voltage Switchgear

Air-insulated medium-voltage switchgear with draw-out vacuum circuit breakers.



Representative configuration

KEY FEATURES

- Metal-clad and metal-enclosed product configurations
- Vacuum circuit breaker technology
- Protection, monitoring, and auxiliary equipment options
- Arc-resistant design options subject to selected assembly

TECHNICAL SPECIFICATIONS

Electrical Ratings	
Voltage	15kV / 34.5kV
Current	Up to 4000A
Short Circuit	40kA
Frequency	50Hz / 60Hz
Construction	
Breaker Type	VCB Draw-out
Insulation	Air Insulated
Enclosure	NEMA 1 and NEMA 3R
Standards Compliance	
Standards	IEEE C37.20.2
Certifications	UL / CSA Type Tested
Applications	
Usage	Utilities, Substations, Industrial Plants

Supplier table reproduced as published. The overview uses different voltage and frequency wording; confirm the selected configuration in the approved project submittal.

Confirm final ratings, applicable certification scope, production availability and delivery terms in the manufacturer's quotation and approved project submittal.

Intelligent Solutions Group International

Motor Control Centers

Draw-out intelligent motor control centers with configurable drive integration and motor protection.



Representative configuration

KEY FEATURES

- Modular configurations for motor control
- Draw-out construction for equipment access
- VFD and motor protection integration
- Control and monitoring options by application

TECHNICAL SPECIFICATIONS

Electrical Ratings	
Voltage	480V / 600V
Current	Up to 3000A
Frequency	50Hz/60Hz
Construction	
Type	Draw-out Intelligent MCC
Enclosure	NEMA 1 and NEMA 12
Protection	
Features	VFD Integration, Motor Protection
Standards Compliance	
Standards	UL 845, CSA
Certifications	UL Listed
Applications	
Usage	Industrial Motor Control

Confirm final ratings, applicable certification scope, production availability and delivery terms in the manufacturer's quotation and approved project submittal.

Intelligent Solutions Group International

Pad-Mounted Transformers

Distribution transformers for commercial and industrial facilities, Data Centers, EV charging, solar and battery storage.



Representative configuration

KEY FEATURES

- Custom configurations for DER and charging loads
- K-factor and harmonic-rated winding options
- Loadbreak switching and coordinated fuse options
- Application-specific voltage and enclosure designs

TECHNICAL SPECIFICATIONS

RATING	300 — 10 MVA
VOLTAGE	≤ 36 kV class
COOLING	ONAN / KNAN
STANDARDS	IEEE C57.12.90
LEAD TIME	16 — 18 weeks EXW

The supplier table prints “300 — 10 MVA”; the lower-bound unit requires confirmation.

APPLICATIONS

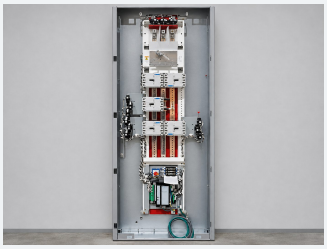
EV charging, solar PV, BESS, data center power distribution, industrial facilities

Confirm final ratings, applicable certification scope, production availability and delivery terms in the manufacturer’s quotation and approved project submittal.

Intelligent Solutions Group International

Panelboards

Low-voltage panelboards with configurable bus, mounting, metering, and enclosure options.



Representative configuration

KEY FEATURES

- Indoor and outdoor enclosure configurations
- Wall-mounted or floor-mounted arrangements
- Copper or aluminum bus options
- Optional metering and project-specific layouts

TECHNICAL SPECIFICATIONS

Electrical Ratings	
Voltage	480V / 600V
Current Rating	Up to 1200A
Short Circuit	65kA / 100kA
Frequency	50Hz / 60Hz
Construction	
Enclosure	NEMA 1 / NEMA 12 / NEMA 3R / NEMA 4X
Busbar	Copper / Aluminium
Mounting	Wall / Floor Mounted
Protection	
Breaker Types	MCB / MCCB
Metering	Optional
Standards Compliance	
Standards	UL 67, CSA, ANSI, NEMA
Certifications	UL Listed
Applications	
Usage	Commercial Buildings, Industrial Facilities

Confirm final ratings, applicable certification scope, production availability and delivery terms in the manufacturer's quotation and approved project submittal.

Intelligent Solutions Group International

VPI Transformers

Vacuum pressure impregnated dry-type transformers with application-specific thermal classes.



Representative configuration

KEY FEATURES

- Dry-type transformer configurations
- Natural-air and forced-air cooling options
- Thermal class selection to suit project requirements
- Project-specific rating and voltage selection

TECHNICAL SPECIFICATIONS

RATING	100 KVA to 5000KVA
VOLTAGE	upto 36kV
COOLING	AN / ANAF
CLASS	Temp. Class F,H & R
LEAD TIME	16 — 18 weeks EXW

The source table states 16–18 weeks EXW; accompanying narrative states 14–16 weeks. Confirm the current factory schedule with your quotation.

APPLICATIONS

Commercial and industrial dry-type power distribution, subject to selected design

Confirm final ratings, applicable certification scope, production availability and delivery terms in the manufacturer's quotation and approved project submittal.