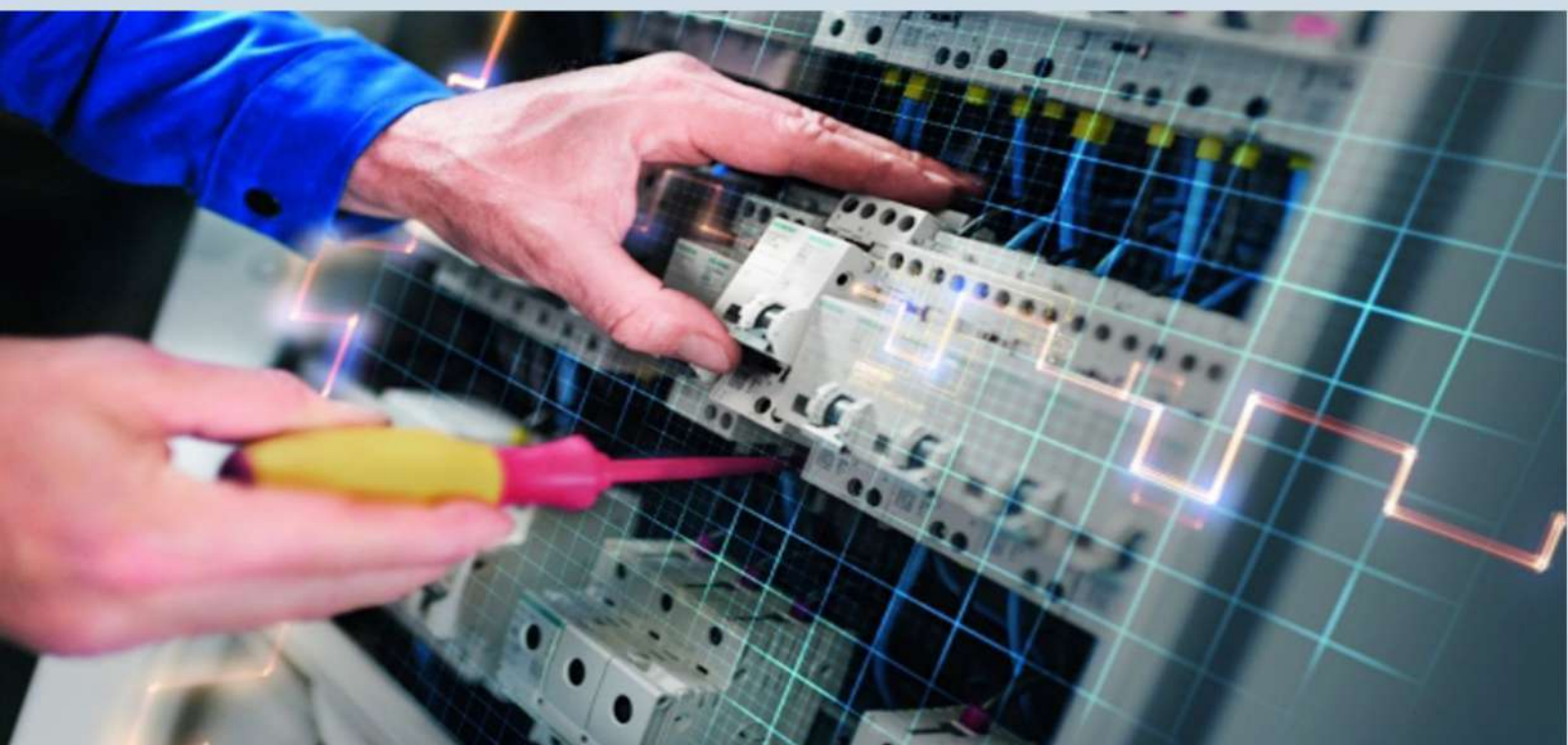




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TAING KIM SRENG Co.,Ltd



Company Profile 2021

At KSR, we bring power to you.



We innovate, produce and trade electrical Switchboard of outstanding quality to meet your business needs.

**We offer you increased energy efficiency,
improve productivity, and make your
business more profitable.**

About

OUR COMPANY

TAING KIM SRENG Co., Ltd (KSR) is an electrical switchboard manufacturing company specialized in supply, design, manufacturing assembly and testing, and site installation. We have over 10 years of experience in engineering and manufacture low-voltage switchboard assemblies, distribution boards and starter panels; therefore, We are enthusiastically capable enough to offer superior services and high quality of products to support a wide range of commercial facilities and construction projects including industrial plants, residential, hospital, etc.



STEP 1

Our team receive specifications and line-drawn diagrams from you.



STEP 2

Our design team works out the optimum design; at this stage, we'll work with you and advise on the best components for the application and budget.



STEP 3

Our sales team corresponds with you to confirm quotation and design



STEP 4

Once we have been received your orders, our design team provides detailed layout designs for schematics, labeling and equipment details.



STEP 5

After you've approved the design, we'll begin the fabrication drawing. These include both machine drawings and 2D/3D workshop drawings



STEP 6

The switchboard is manufactured.



STEP 7

We test the switchboard is to the expectations of your project by complying IEC standard.



STEP 8

The switchboard is packed, shipped, and delivered to your project destination.



STEP 9

We also offer "After-Sale Service" for all of products which are manufactured in order to ensure that your needs are eventually fulfilled.

Warranty

12 months standard warranty policy with a special package such as:

- Assistance on commissioning; On-site installation
- Quality Control Plan Report
- Technical Training on Electrical distribution and control and on Advanced products e.g. VSD, PLC, etc.

DESIGN

We have come out with a safety & reliable modular type switchboard panels.

Based on our 10 years experience in this industry. We have a team of experienced engineers and technicians always working toward a system for all your applications requiring a high level of dependability. Our design teams include electrical circuit designers and panel designers.



FABRICATION

Our switchboard manufacturing are fully computerized.

For the mechanical parts fabrication, our switchboard manufacturing are fully computerized. Our integrated CAD/CAM software, CNC machines are taken part from the initial design stage to the final product fabrication. For the painting process, all our products are coated by epoxy powder coating with chemical treatment for antirust and oven baked.



ASSEMBLY

Part assembly, component assembly, busbar fabrication and etc.

Our assembly process can be separated into:

- Parts assembly
- Component assembly
- Busbar Fabrication and Installation
- Delivery to site
- Cabling and Control Wiring Installation
- Testing /Factory Acceptance Test



TESTING

A joint witnessed testing will be conducted before delivery.

To ensure the switchboard assemblies are in compliance with IEC standards and requirements, a joint witnessed testing will be conducted at our factory before delivery.

- Visual Inspection
- Inspection of wiring and electrical operation test
- Checking of protective measures and electrical continuity of the protective circuits
- Verification of insulation resistance
- Functionality simulation



Developing layout convenience, reducing installation costs and minimizing the impact and cost of changes to the system are strategically our expert technical team design targets for all types of aspect of front connected distribution switchboards. KSR switchboards allow for the smallest footprint in the industry, and their rugged designs have essentially the flexibility in electrical systems for industrial plants, commercial buildings, residential, and hospitals.



Consumer Units

Surface or Concealed Type 12, 26, & 36



KSR SWITCHBOARD



KSR DISTRIBUTION BOARD Up to 160A



KSR DISTRIBUTION BOARD Up to 1250A



KSR DISTRIBUTION BOARD Up to 630A



KSR DISTRIBUTION BOARD Up to 400A



KSR MOTOR CONTROL PANEL Up to 1250A



KSR DISTRIBUTION BOARD Up to 6300A

MAIN SWITCHBOARD UP TO 6300A



ELECTRICAL CHARACTERISTIC

Rated Voltage

Rated Operational Voltage (V AC)	220 V up to 415V
Rated Impulse Withstand Voltage U_{imp} (kV)	8
Degree of pollution	3
Frequency (Hz)	50/60 Hz

Rated Current

Main busbar

♦ Rated Current (Amp)	6A up to 6300 A
♦ Rated Short Time Withstand Current (kA)	10kA up to 100 kA

Distribution Busbar

♦ Rated Current (Amp)	Up to Request
♦ Rated Short Time Withstand Current (kA)	10 kA- 100 kA

MECHANICAL CHARACTERISTIC

From According to IEC 61439-1

Degree of Protection According to IEC 61439-2	External IP55 Internal 2X & 4X
Surface Protection	Oven Baked
Standard Colors	RAL 7035, Thickness Up to 100 μ m Other Colors Upon Request
Access	Front and Rear
Cable Entry	Top and Bottom
Ventilation	Mechanical Air Louvers
Busduct entry	Upon Request

MATERIAL	Frame Structure Material	Material thickness				
		Frame Structure	Front Cover	Side / Rear Cover	Internal Separation	Base
	EG sheet	2.5mm/2.0mm	2.5mm/2.0mm	2.0 mm	2.0 mm	2.0 mm steel sheet



Material

Frame Structure Material	EG sheet
Material thickness:	
Frame Structure	2.5mm/2.0mm
Front Cover	2.5mm/2.0mm
Side / Rear Cover	2.0mm
Internal Separation	2.0mm
Base	2.0 mm steel sheet

MECHANICAL CHARACTERISTIC

Form According to IEC 616	Form 1/ 2b/ 3b/ 4b
Degree of Protection According to IEC 61439- 2	External IP55 Internal 2X & 4X
Surface Protection	Anti Rust Treatment / Epoxy Power Coating / Oven Baked
Standard Colors	RAL 7035, Thickness Up to 100 μ m Other Colors Upon Request
Access	Front and Rear
Cable Entry	Top and Bottom
Ventilation	Mechanical Air Louvers

ELECTRICAL CHARACTERISTIC

Rated Voltage

Rated Operational Voltage (V AC)	220 V up to 415V
Rated Impulse Withstand Voltage U_{imp} (kV)	8
Degree of pollution	3
Frequency (Hz)	50/60 Hz

Rated Current

Main busbar

♦ Rated Power (KW)	Up to 3300 kW
♦ Rated Short Time Withstand Current (kA)	Up to 100 kA

Distribution Busbar

♦ Rated Current (Amp)	Up to 2600 A
♦ Rated Short Time Withstand Current (kA)	Up to 36 kA

Power Factor Correction Switchboard

ELECTRICAL CHARACTERISTIC

Rated Voltage

Rated Operational Voltage (V AC) Up to 600V

Frequency (Hz) 50/60 Hz

PFC FEATURE

Rated Operational Voltage (V AC) Up to 1500 KVAR Or
> 1500 KVAR can be request

Frequency (Hz) 6, 8, 12, and 14 steps

MECHANICAL CHARACTERISTIC

Form According to IEC 61641-1 Form 1/ 2b/ 3b/ 4b

Degree of Protection According to IEC 61439 External IP55
Internal 2X /4X

Surface Protection Anti Rust Treatment /
Epoxy Power Coating /
Oven Baked

Standard Colors RAL 7035, Thickness
Up to 100 μ m

Access Front and Rear
Cable Entry Top and Bottom
Ventilation Mechanical Air Louvers

MATERIAL

Frame Structure Material EG sheet

Material thickness:

♦ Frame Structure 2.5mm (Floor Standing) /
1.5 mm (Wall Mounted)
♦ Front Cover 2.5mm (Floor Standing) /
1.5 mm (Wall Mounted)
♦ Side / Rear Cover 2.5mm (Floor Standing) /
1.5 mm (Wall Mounted)

♦ Internal Separation 1.5mm (Floor Standing) /
1.5 mm (Wall Mounted)





MECHANICAL CHARACTERISTIC

Form According to IEC 61641-1	Form 1/ 2b/ 3b/ 4b
Degree of ProtectionAccording to IEC 61439	External IP55 Internal 2X /4X
Surface Protection	Anti Rust Treatment / Epoxy Power Coating / Oven Baked
Standard Colors	RAL 7035, <i>Thickness Up to 100 µm</i> Other Colors Upon Request
Access	Front and Rear
Cable Entry	Top and Bottom
Ventilation	Mechanical Air Louvers
Enclosure Material	EG Sheet / Stainless Steel
Material thickness	2.0mm/ 1.5mm / 1.2mm

ELECTRICAL CHARACTERISTIC

Rated Voltage

Rated Operational Voltage (V AC)	Up to 415V
Frequency (Hz)	50/60 Hz

Rated Current

Main busbar

♦ Rated Current (Amp)	Up to 6300 kW
♦ Rated Short Time Withstand Current (kA)	Up to 100 kA



MECHANICAL CHARACTERISTIC

Form According to IEC 61641-1	Form 1/ 2b/ 3b/ 4b
Degree of Protection According to IEC 61439	External IP55 / 65 Internal 2X - 4X
Surface Protection	Anti Rust Treatment / Epoxy Power Coating / Oven Baked
Standard Colors	RAL 7035, <i>Thickness Up to 100 µm</i> Other Colors Upon Request
Access	Front and Rear
Cable Entry	Top and Bottom
Ventilation	Mechanical Air Louvers
Busduct entry	Upon Request



Material

Frame Structure Material	EG sheet
Material thickness:	
Frame Structure	2.5mm/2.0mm
Front Cover	2.5mm/2.0mm
Side / Rear Cover	2.0mm
Internal Separation	2.0mm
Base	2.0 mm steel sheet



MECHANICAL CHARACTERISTIC

Form According to IEC 61641-1	Form 1/ 2b/ 3b/ 4b
Degree of ProtectionAccording to IEC 61439	External IP55 Internal 2X - 4X
Surface Protection	Anti Rust Treatment / Epoxy Power Coating / Oven Baked
Standard Colors	RAL 7035, Thickness Up to 100 µm Other Colors Upon Request
Access	Front and Rear
Cable Entry	Top and Bottom
Ventilation	Mechanical Air Louvers
Enclosure Material	EG Sheet / Stainless Steel
Material thickness	2.0mm/ 1.5mm / 1.2mm

ELECTRICAL CHARACTERISTIC	SSB	DB
Rated Voltage		
Rated Operational Voltage (V AC)	Up to 600V	
Frequency (Hz)	50/60 Hz	
Rated Current		
Main busbar		
♦ Rated Power (KW)	Up to 1000 A	Up to 50 kA
♦ Rated Short Time Withstand Current (kA)	Up to 36 kA	Up to 50 kA
Distribution Busbar		
♦ Rated Current (Amp)	Up to 20 A	Up 800 A
♦ Rated Short Time Withstand Current (kA)	6 kA	50kA
MECHANICAL CHARACTERISTIC	SSB	DB
Form According to IEC	Form 1/ 2b/ 3b/ 4b	
Degree of Protection According to IEC	External IP55 Internal 2X & 4X	
Surface Protection	Anti Rust Treatment / Epoxy Power Coating / Oven Baked	
Standard Colors	RAL 7035, Thickness Up to 100 µm Other Colors Upon Request	
Access	Front	
Cable Entry	Top and Bottom	
Ventilation	Mechanical Air Louvers	
Enclosure	Hot Roll Mild steel sheet	
Material Thickness	2 mm /1.5 mm	1.5mm/1.2mm





Cambodia is one of the developing countries in ASEAN and the economic, itself, has been rapidly increased in the past 20 years. The construction industries in our region have been developed tremendously. We, KSR, are with Cambodia for more than 10 years and we, of course, a part of this country's development. Therefore, our company products has successfully supply to the various industries in Cambodia.



We've brought Cambodia the most efficient and reliable energy and we will continuously offer Cambodian people the highly standardized power distribution products which they have ever been offered before.



"Mutual support" is one of the main core value of our company and this becomes our practical business flow among all stakeholders. Our suppliers are capable to manufacture high quality of products recognized by International Electrotechnical Commission (IEC) Together with our global suppliers, your needs are satisfactorily fulfilled by us.

Partners Certificate



ISO Certificate



Installation MDB



Installation BUSWAY



Training 5S



Site Service



Testing



Prepaid kWh KSR Training



Main Switchboard



Distribution Boards & Consumer Units



Moto Control Center



BUSDUCT



AVR



Fitting Accessories of Cable Tray, Trunking & Ladder



Compact Type Transformer



Oil- Type Transformer



Dry- Type Transformer



RMU





Our Commitments for you

We at KSR strive to deliver nothing less than perfection, which is why we consider ourselves the trusted electrical switchboard manufacturer for all industry solutions. Our switchboards are recognized for their attention to detail, quality and delivery, and our team is highly regarded as some of the most helpful switchboard engineers today.

Don't just take our word for it though, get in touch with us today and find out for yourself. At KSR, we bring the power to you.

