

PRODUCTS PANORAMA



UTEC



Product



Oil Transformer

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Definition/Function

Consist of Core, two winding inside tank insulated by oil and transform the system voltage from medium to low or medium to medium.

Voltage/ Power /Current

upto 36 KV/10 MVA

[Manufacturer Plant](#)

Transformer plant

[Technology Partner](#)

UTEC/Wilson



Pole mounted Transformer

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Definition/Function

Consist of Core, two winding inside tank insulated by oil and transform the system voltage from medium to low or medium to medium.

Voltage/ Power /Current

upto 36 KV/10 MVA

[Manufacturer Plant](#)

Transformer plant

[Technology Partner](#)

UTEC/Wilson



Dry Type Transformer

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Definition/Function

Consist of Core, two winding insulated by cast resin and transform the system voltage from medium to low or medium to medium

Voltage/ Power /Current

upto 36 KV/3.15 MVA

[Manufacturer Plant](#)

Transformer plant

[Technology Partner](#)

TMC/UTEC



Product



PIX 50

4

Definition/Function

Primary Medium voltage Switchgear consist of enclosure, busbar, and Circuit breaker, insulated by air and distribute, protect, measure, and control the power management.

Voltage/ Power /Current

13.8 KV/ 4000 Amp/ 50KA

Manufacturer Plant

MV/LV plant

Technology Partner

SE/UTEC



Gearair

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Definition/Function

Primary Medium voltage Switchgear consist of enclosure, busbar, and Circuit breaker, insulated by air and distribute, protect, measure, and control the power management

Voltage/ Power /Current

24 KV/ 3600 Amp/ 25KA

Manufacturer Plant

MV/LV plant

Technology Partner

UTEC/SE



EnerSwit SRMU

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Definition/Function

Secondary Medium voltage ring main unit consist of enclosure, busbar, and Circuit breaker, insulated by SF6 and distribute, protect, measure, and control the power management via loop network design

Voltage/ Power /Current

36 KV/ 630 Amp/ 21KA

Manufacturer Plant

Smart Solution Plant

Technology Partner

UTEC/Huatech



Product



Unite Substation

Definition/Function

MV/LV substation consist of Aluminum oil transformer and low voltage panel as per SEC specification to distribute the power to all consumers

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Voltage/ Power /Current
33 KV/ 500, 1000, 1500 KVA
[Manufacturer Plant](#)
MV/LV plant
[Technology Partner](#)
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Packaged Substation

Definition/Function

MV/LV substation consist of RMU, oil transformer and low voltage panel to distribute the power to all consumers

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Voltage/ Power /Current
33 KV/ 500, 1000, 1500,
2000, 2500, 3150 KVA
[Manufacturer Plant](#)
MV/LV plant
[Technology Partner](#)
UTEC



Lighting Substation

Definition/Function

MV/LV substation consist of RMU, oil transformer and low voltage panel to distribute & control the power to the lighting pillars

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Voltage/ Power /Current
33 KV/ 100, 200, 300 KVA
[Manufacturer Plant](#)
MV/LV plant
[Technology Partner](#)
UTEC



Product



Mobile Substation

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Definition/Function

MV/LV substation over trailer can be used to provide the power supply on emergency case by SEC, consist of RMU, oil transformer and low voltage panel, MV&LV cable reels, and LV generators to connect & distribute the power to the consumers.

Voltage/ Power /Current

33 KV/ 1000, 1500 KVA

Manufacturer Plant

MV/LV plant

Technology Partner

UTEC



Prefabricated Substation

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Definition/Function

Prefabricated containerized substation contains all required MV & LV switchgears, supported with control and management systems, substation can contain any free issue material and systems provided by client to assure the power management, control and protection of power supply, dimensions can extend as per solution to 35 meter lengthen and 6 meters width

Voltage/ Power /Current

-/-

Manufacturer Plant

Smart Solution Plant

Technology Partner

UTEC



Blokset

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Definition/Function

Low voltage switchgear used as main distribution boards and withdrawable motor control centers, as per IEC61439-1&2 innovated by SE, can support all low voltage applications and power quality solutions

Voltage/ Power /Current

690volt/ 7000Amp/ 100KA

Manufacturer Plant

MV/LV plant

Technology Partner

SE/UTEC



Product



Prisma

13

Definition/Function

Low voltage switchgear used as sub distribution boards and fixed motor control centers, as per IEC61439-1&2 innovated by SE, can support all low voltage applications and power quality solutions.

Voltage/ Power /Current
690 volt/ 3200Amp/ 85 KA
[Manufacturer Plant](#)
MV/LV plant
[Technology Partner](#)
SE/UTEC



Disbo

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Definition/Function

Low voltage used as final distribution boards, as per IEC61439-3 innovated by SE, can support final power and lighting circuits.

Voltage/ Power /Current
420 volt/ 250 Amp/ 17 KA
[Manufacturer Plant](#)
MV/LV plant
[Technology Partner](#)
SE/UTEC



Feeder Pillar

15

Definition/Function

Low voltage panels installed outdoor as per SEC specifications to distribute power supply to the consumers via meter boxes

Voltage/ Power /Current
400 volt/ 400 Amp
[Manufacturer Plant](#)
MV/LV plant
[Technology Partner](#)
UTEC



Product



Meter Box

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Definition/Function

Low voltage smart meter box contains smart meters installed outdoor as per SEC specification to assure the metering of each consumers.

Voltage/ Power /Current

-/-

[Manufacturer Plant](#)

MV/LV plant

[Technology Partner](#)

UTEC



Bushing

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Definition/Function

Medium and low voltage transformer bushing to assure the connections to the primary and secondary transformer winding properly, bushing are designed and tested as per SEC company specifications and will support our own transformer business as well as other transformers manufacturers locally and regionally

Voltage/ Power /Current

(MV bushing 36 KV/630 Amp) (LV bushing 400 V/3000Amp)

[Manufacturer Plant](#)

Bushing plant

[Technology Partner](#)

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Insulator

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Definition/Function

Medium voltage insulator used inside the MV switchgear to support and insulate the busbar from outer enclosure and wall through applications as well

Voltage/ Power /Current

12,24,36 KV

[Manufacturer Plant](#)

Bushing plant

[Technology Partner](#)

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Product



Data Center/ Modular energy center

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Definition/Function

Prefabricated power module contains the LV power distribution equipment integrated with power storage (UPS, batteries, and chargers) , supported with commentary solutions of HVAC, life & safety, security, communications, and lighting control solutions to supply reliable power to the IT halls racks.

Voltage/ Power /Current

0.3,0.5, 1, 1.2, 2 MVA

[Manufacturer Plant](#)

[Smart Solution Plant](#)

[Technology Partner](#)

UTEC/SE

Data Center/ All in One Module

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Definition/Function

Prefabricated containerized substation contains all required MV & LV switchgears, supported with control and management systems, substation can contain any free issue material and systems provided by client to assure the power management, control and protection of power supply, dimensions can extend as per solution to 35 meter lengthen and 6 meters width

Voltage/ Power /Current

-/-

[Manufacturer Plant](#)

[Smart Solution Plant](#)

[Technology Partner](#)

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Services

Definition/Function

Our services range are covering all supplied products and solutions with following activities:

- 1- Installation, Testing, Pre-Commissioning and Commissioning.
- 2- Preventive maintenance work of all Electrical Equipment.
- 3- Design, Modification of Engineering works.
- 4- Supervision of Electrical Installation.
- 5- Modification Activities / Upgrading of Electrical Equipment.
- 6- Transformer Oil treatment & purification .
- 7- Replacement and Retrofitting for Electrical Equipment.
- 8- Protection Relay setting and Coordination Study.
- 9- Maintenance, Refurbishment, Re-conditioning including transformer rewinding.
- 10- Spare Parts Components Supply.
- 11- LSTK Projects For Electrical Equipment.

Manufacturer Plant

UTEC plants

Technology Partner

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