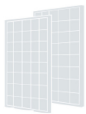




TOTAL SOLUTION

for Power Industry



T&D POWER TECH
(THAILAND) Co., Ltd.

Power Solution



VCB

- 7.2/12/17.5 kV, up to 50 kA, up to 4000 A
- 24 kV, up to 40 kA, up to 3150 A
- 36 kV, up to 40 kA, up to 3150 A



VCS

- 3.6/7.2/12kV, up to 6.3kA, up to 400A
- Fuse up to 12 kV , up to 63 kA
- Automatic position interlock system



ACB

- HGS 1600/3200 2 types AF
- HGN 2000/4000/5000/6300 4 types AF



MCCB

- 15A ~ 1600A, 5kA ~ 150kA
- $U_i = 1000V$, $I_{cs} = 100\% I_{cu}$
- Adjustable ratings applicable for all types



ELCB

- 15 A ~ 800 A, 2.5 kA ~ 85 kA
- $I_{cs} = 100\% I_{cu}$
- Adjustable rated residual operating current:
30 mA, 100 - 300 - 500 - 1000 mA



MCB

- Rated breaking capacity 6/10kA
- Rated current 1~100A, instantaneous operating characteristics B, C, D
- Various accessories AUX, ALT, SHT, UVT



MC

- 9 ~ 800A(8 frames)
- Rated Insulation voltage : 1000V(50A ~)
- AC/DC free voltage(115A ~)



TOR

- HGT 18 AF ~ 800 AF
- Safety Protection Cover
- Separated Test , Reset Buttons



RCCB/RCBO

- Rated residual current 10/30/100/300/500mA
- Frame 63/100AF, Short-circuit breaking capacity 10kA

Renewable Solution

Exsamples of photovoltaic application



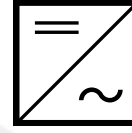
PV Array



PV Combiner Box



DC Breaker



PV Inverter



AC Breaker

1000VAC



HGN A FRAME

- 630A ~ 2000A, $U_i = 1250V$
- 2000AF
- $I_{cu} = 30kA$, AC1150V
- $I_{cs} = 100\% I_{cu}$



HGN B FRAME

- 1250A ~ 4000A, $U_i = 1250V$
- 4000AF
- $I_{cu} = 50kA$, AC1150V
- $I_{cs} = 100\% I_{cu}$



MCCB

- 40A ~ 630A, $U_i = 1000V$
- 100, 160, 250, 400, 630AF
- $I_{cu} = 20kA \sim 35kA$, AC800-1000V
- $I_{cs} = 50\% I_{cu}$
- Adjustable ratings applicable for all types

1500VDC



HGN 16A

- Acquisition of DC certification
- 800A ~ 1600A, $U_i = 1500V(4P)$
- 1600AF
- $I_{cu} = 50kA$, DC1500V

HGN25B

- Acquisition of DC certification
- 1600A ~ 2500A, $U_i = 1500V(4P)$
- 2500AF
- $I_{cu} = 60kA$, DC1500V

HGN32B

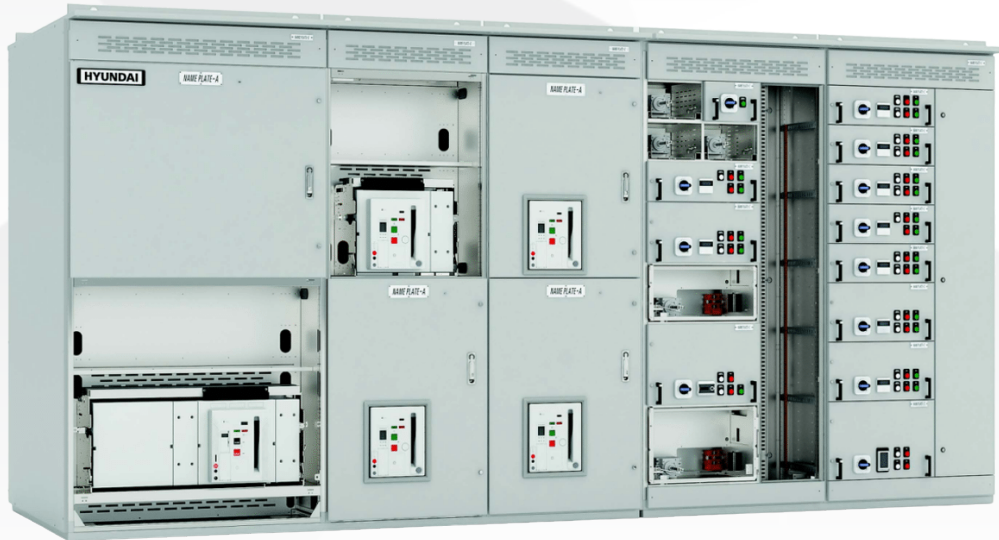
- Acquisition of DC certification
- 1600A ~ 3200A, $U_i = 1500V(4P)$
- 3200AF
- $I_{cu} = 60kA$, DC1500V



MCCB

- Acquisition of DC certification
- Full Line-up : 100 ~ 630AF
- Rated Current Adjustment : 0.8-0.9-1.0times
- Bi-directional(Forward/Reverse) available

Switchboards



OUR OF PRODUCT

- MV Switchboards
- Main Distribution Board (MDB)
- Distribution Board (DB)
- Motor Control Center (MCC)

MV Switchboards

- Rated voltage : 24 kV
- Design Standard : IEC 62271-200
- Cubicle construction : Metal-Clad/Metal-Enclosed
- Normal current : 1250, 2000, 2500, 3150A
- Interrupting Capacity : ~ 31.5kA/3s

MDB/DB

HYUNDAI
POWERTECH

- Rated voltage : 690 V
- Design Standard : IEC 61439-1&2
- Normal current : up to 6300A
- Interrupting Capacity : Up to 200 kA
- Forms of Segregation: up to Form 4B

Load Center & Consumer Unit



LOAD CENTER

- Range: 12, 18, 24, 30, 36,42 Modules
- Max Busbar rating : 250 A
- Max. Voltage : 240/415 Vac , 50/60Hz
- Busbar : Tin copper plated 100/250A
- Material : Electro galvanized



CONSUMER UNIT

- Range: 6W,10W,14W,18W
- Max Busbar rating : 100 A
- Max. Voltage : 240/415 Vac , 50/60Hz
- Busbar Link : Tin copper plated
- Cover Material : ABS

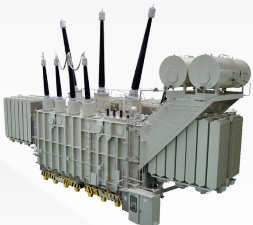
T&D POWER TECH THAILAND



Our Range Licensed Partnership



Total Solution



POWER TRANSFORMER



GIS

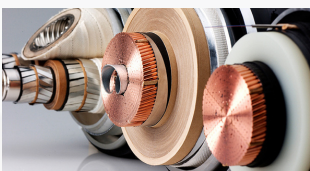


MV/LV SWITCHGEAR

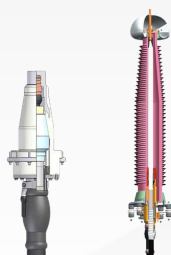


MV/LV CIRCUIT BREAKERS

- Established in 2011 with registered capital to 50 MTHB
- Company vision to be a total power solution provider in power generation, transmission & distribution systems, and industrial markets
- Secured exclusive partnerships with Hyundai Electric & Energy Systems, LS Cable & System, and Samwha Capacitor, the world's leading power product manufacturers, and KEPCO KPS, the world's leading engineering & service company for power plant O&M.
- Become the best Smart Power Solution Provider with renewable energy, DC power infrastructure solutions.
- Management team has experience over 12 years on development, engineering and execution for power electrical field



**XLPE INSULATION CABLE/
SOLAR CABLE**



**INDOOR/OUTDOOR
TERMINATION**



MV/LV BUS DUCT



MV/LV CAPACITOR

Project Reference



MV Switchgear

Industrial

- Fuhrer Wire and Cable Co., Ltd.
- Shinho Paper Mill Co., Ltd.
- Thai Petrochemical Industry(TPI RTT 56K Oil tank Terminal Power)
- Thai Olefins Co., Ltd. (Olefins Plant Project)
- Bridgestone Carbon Black (Carbon Black Extension Project)
- Bridgestone Carbon Black(45000MTA Carbon Black Project)
- TOC Glycol Company Limited(TOC EO/EG Project)
- TOC GLYCOL Co., Ltd.(TOCGC Expansion II Project)
- IRPC Public Company Limited

Power Plant

- EGAT Mae Moh Power Plant
- Glow Energy(Gheco One Coal Fired Power Plant Project)
- EGAT (North Bangkok CCPP Block-2)

Renewable Energy

- Wind Farm/Nakhon Ratchasima

Utility

- EGAT 115/22kV Bangpakong Substation
- EGAT 115/22kV Surin Substation
- EGAT 115/22kV Yasothorn Substation
- EGAT 115/22kV Chumpae Substation

LV Switchgear

Community Mall

- Buriram Castle (Community Mall)
- Shabushi Nakhonpathom

University

- Rajamangala University of Technology Lanna
- Sakonnakhon Rajabhat University
- Nakhon Phanom University
- Rajabhat Rajanagarindra University

Residential

- The One Chiangmai
- Central Maris Resort Jomtien
- Condo The Series Udomsuk
- Best Condominium Mae Sot
- My Hip Condo Chiangmai
- Blue chips Chiangmai
- Very Condo Sukhumvit 72

Industrial

- Thai Petrochemical Industry(TPI RTT 56K Oil tank Terminal Power)
- Bridgestone Carbon Black(Carborn Black Extension Project)
- TOC Glycol Company Limited(TOC EO/EG Project)

Factory

- THIP KAMPANGPETCH BIO ENERGY CO.,LTD
- POSCO Coated Steel (Thailand) Co., Ltd
- UACJ(Thailand) Co., Ltd
- KG Dongbu Thai Steel Co., Ltd

Solar Rooftop & Solar Farm

- Thai World Tech 999.7 kWp
- Suint Omya Solar Farm 500 kWp
- B.Grimm Thai NOK 5052.76 kWp
- B.Grimm Terragro 2500 kWp
- B.Grimm Sumiden 999.46 kWp
- B.Grimm DSG Advenced Material 999.7 kWp
- B.Grimm Thai Matto NS 999.46 kWp
- B.Grimm Nidec 720.39 kWp

Government

- Electricity Generating Authority of Thailand (EGAT)
- Metropolitan Waterworks Authority (MWA)
- Princess Sirindhorn Astro Park
- Chiang Mai zoo
- Chakkarat Hospital
- Bangsaen Wastewater Treatment Plant
- Pumping Station Nong Khai
- Municipality (Samut Prakan, Chonburi , Pattaya, Rayong, Phuket)



T&D POWER TECH
(THAILAND) Co., Ltd.

HYUNDAI
POWERTECH

THAILAND

Bangkok

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