



POWERWELL®
Empowering Possibilities

STOCK CODE

PWRWELL | 0217

COMPANY BROCHURE



RELIABLE SOLUTIONS.
POWERING A **BETTER FUTURE.**

ABOUT US

MALAYSIAN POWER SPECIALIST

ENGINEERED FOR RELIABLE POWER

Designing, manufacturing and
integrating low- and medium-voltage
power distribution systems.



40+

YEARS OF
EXPERIENCE

2020

ACE MARKET
LISTING

MALAYSIA · INDONESIA

MANUFACTURING &
ASSEMBLY FACILITIES

GLOBAL

INTERNATIONAL
PROJECT REACH

Powerwell Holdings Berhad is a Malaysian power distribution specialist with over 40 years of experience in designing, manufacturing and integrating low- and medium-voltage power distribution systems. Our solutions serve a wide range of sectors including data centres, utilities, commercial developments, industrial facilities, transportation, renewable energy, and the oil and gas sector.

Supported by an in-house engineering and research and development (R&D) team, Powerwell manufactures fully type-tested low-voltage switchboards under the Powerwell brand and is a licensed technology partner of Siemens. Our portfolio also includes medium-voltage switchgear, Power Train Unit (PTU), fire protection systems, and other electrical distribution products as well as integrated electrical engineering solutions including control systems, PLC-based process

automation, Building Management Systems (BMS), and SCADA platforms for efficient monitoring and operational control.

Powerwell holds certifications and approvals from SIRIM, Jabatan Kerja Raya Malaysia (JKR), Suruhanjaya Tenaga Malaysia, the Construction Industry Development Board (CIDB) Malaysia, the Association of Short-Circuit Testing Authorities (ASTA), and KEMA. The Group is also certified to internationally recognised ISO management system standards, including ISO 9001:2015 for Quality Management Systems, ISO 45001:2018 for Occupational Health and Safety Management Systems, and ISO 14001:2015 for Environmental Management Systems. Our products are designed and tested in accordance with applicable standards published by the International Electrotechnical Commission (IEC), and/or the Institute of Electrical and Electronics Engineers (IEEE).

Listed on the ACE Market of Bursa Malaysia Securities Berhad since 2020, Powerwell operates manufacturing and assembly facilities in Malaysia and Indonesia, with projects successfully delivered across Southeast Asia, Australia, Japan, Bangladesh, Pakistan, West Asia, and other international markets.

Driven by our purpose of Empowering Possibilities, we continue to deliver reliable electrical infrastructure solutions that support the evolving power and infrastructure needs of industries worldwide.

POWERWELL LOCAL & INTERNATIONAL MANUFACTURING FACILITIES & OFFICES

1

**Kejuruteraan
Powerwell Sdn. Bhd.**
• Manufacturing plant
• Kota Kemuning,
Shah Alam

2

**Powerwell Johor
Office & Factory**
• Manufacturing plant
• Eco Business Park,
Kempas, Johor Bahru

3

**Powerwell
International Sdn. Bhd.**
• Manufacturing plant
• Kota Kemuning,
Shah Alam

4

**Powerwell
Penang Office**
• Sales Office &
Workshop
• Vervea, Simpang Ampat

5

**PT Powerwell
Listrik Indonesia**
• Assembly Plant
• Serpong, Tangerang
Selatan

6

Tenaga Kenari Sdn Bhd
• Manufacturing plant
• Samajaya Free
Industrial Zone,
Kuching, Sarawak

7

**Firerex Technology Sdn. Bhd.
Brandrich Solutions Sdn. Bhd.**
• Trading Office
• Kota Kemuning,
Shah Alam



PRODUCT RANGE

LOW-VOLTAGE

01

POWERWELL LOW-VOLTAGE MAIN SWITCHBOARD

Powerwell Low-Voltage Main Switchboard (MSB) is ASTA certified in accordance with international standards. Reliable performance and the emphasis on personnel safety.

- ⚡ Main and secondary power distribution up to 6000A
- ⚡ Reactive Power Compensation



APPLICATIONS Standards and Testing

Description	Standard
Low-Voltage switchgear and control assemblies – Part 1: General rules Part 2: Power switchgear and controlgear assemblies	IEC 61439-1 IEC 61439-2
Enclosed low-voltage switchgear and controlgear assemblies – Guide for testing under condition of arcing due to internal fault	IEC/TR 61641
Electromagnetic compatibility (EMC) – Part 6-4: Generic standards – Emission standard for industrial environments Part 6-2: Generic standards – Immunity standard for industrial environments	IEC 61000-6-4 IEC 61000-6-2
Degree of protection provided by enclosures Reactive Power Compensation	IEC 60529 Main and secondary power distribution up to 6000A
Seismic and vibration testing compliance	IEC 60529 Main and secondary power distribution up to 6000A

02

POWERWELL LOW-VOLTAGE SUB SWITCHBOARD

Powerwell Low-Voltage Sub Switchboard (SSB) is in compliance with international standards. Reliable performance and the emphasis on personnel safety are the hallmark of our switchboard.

- ⚡ Main and secondary power distribution up to 630A
- ⚡ Reactive Power Compensation



APPLICATIONS Standards and Testing

Description	Standard
Low-Voltage switchgear and control assemblies – Part 2: Power switchgear and controlgear assemblies	IEC 61439-2
Certified by Suruhanjaya Tenaga	ST(TKL)PPS/220267P No.: 617
JKR Standards	LS-1
Degree of protection provided by enclosures	IEC 60529

03

POWERWELL LOW-VOLTAGE AUTO MAIN FAILURE PANEL

Powerwell Low-Voltage Auto Main Failure Panel (AMF) assures compliance with international standards. With a focus on reliability, Powerwell's AMF panels ensure seamless power transfer and backup in the event of a main power failure, safeguarding critical operations in various sectors where uninterrupted power supply is essential.

- ⚡ Power distribution up to 6300A



APPLICATIONS Standards and Testing

Description	Standard
Certified by Suruhanjaya Tenaga	ST(TKL)PPS/220267P No.: 617
JKR Standards	LS-1

04

POWERWELL LOW-VOLTAGE WEATHERPROOF FEEDER PILLAR

Powerwell Low-Voltage Weatherproof Feeder Pillar (FP) is SIRIM certified, guaranteeing compliance with international quality and safety standards. They excel in providing reliable power distribution and prioritize personnel safety. Powerwell Feeder Pillars are engineered to withstand diverse environmental conditions.

- ⚡ Power distribution up to 6300A



APPLICATIONS Standards and Testing

Description	Standard
Certified by Suruhanjaya Tenaga	ST(TKL)PPS/220267P No.: 617
JKR Standards	LS-1
Degree of protection provided by enclosures	IEC 60529

PRODUCT RANGE

SIEMENS

01

SIEMENS NXPLUS C GAS-INSULATED SWITCHGEAR (GIS) UP TO 36KV

Siemens NXPLUS C up to 36 kV, Gas-Insulated Switchgear (GIS) Fixed-mounted circuit-breaker switchgear NXPLUS C is a factory-assembled, type-tested, metal-enclosed, SF₆-insulated switchgear with metallic partitions for single-busbar applications for indoor installation.



APPLICATIONS

Loss of service continuity	LSC 2
Internal arc classification	IAC A FLR, Up to 31.5kA
Arc duration	1 or 0.1s
Rated values	Up to 36kV Up to 25kA, Up to 1,250A.

02

SIEMENS 8DA10 GAS-INSULATED SWITCHGEAR (GIS) - UP TO 40.5 KV

Siemens 8DA10 & 8DB10 GIS is a factory-assembled, type-tested, metal-enclosed, SF₆-insulated switchgear for indoor single- and double-busbar applications. Its modular, extensible design delivers high operational reliability for medium-voltage power distribution across industrial, commercial, and utility networks.



APPLICATIONS

Rated voltage	up to 40.5 kV
Rated frequency	50 Hz / 60 Hz
Rated current of feeder	up to 3150 A (*)
Rated current of busbar	Up to 5000 A
Rated power frequency withstand voltage	Up to 85 kV (**)
Rated lightning impulse withstand voltage	Up to 185 kV (**)
Rated short-circuit making current	Up to 100 kA
Rated short circuit withstand current	Up to 40 kA, 3 sec

Notes (*) 3150 A with forced ventilation
(**) 95 kV / 190 kV according to some national requirements

03

SIEMENS SIMOPRIME WORLD AIR-INSULATED SWITCHGEAR (AIS) UP TO 17.5KV

Siemens SIMOPRIME World up to 17.5 kV, Air-Insulated Switchgear (AIS) Factory assembled, type tested switchgear according to IEC 62271-200. Use of high quality, world-wide available components. Design based on global best practice and 50 years of experience.



APPLICATIONS

Loss of service continuity	LSC 2B
Internal arc classification	IAC A FLR, Up to 40kA
Arc duration	1 or 0.1s
Rated values	Up to 17.5kV, Up to 40kA, Up to 4000A

04

SIEMENS SIMOPRIME A4 AIR-INSULATED SWITCHGEAR (AIS) UP TO 24KV

Siemens SIMOPRIME A4 Air-insulated Switchgear (AIS) Up to 24kV Factory assembled, type tested switchgear according to IEC 62271-200. Use of high quality, world-wide available components. Design based on global best practice and 50 years of experience.



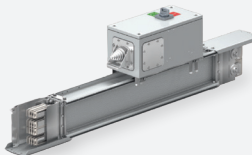
APPLICATIONS

Loss of service continuity	LSC 2B
Internal arc classification	IAC A FLR, Up to 25kA
Arc duration	1 or 0.1s
Rated values	Up to 24kV, Up to 25kA, Up to 2,500A.

05

SIEMENS SIVACON 8PS BUSBAR TRUNKING SYSTEM

Siemens SIVACON 8PS LI busbar trunking system. Design verified trunking and tap-off units in accordance with the IEC 61439-1/-2 standard, enabling high level of system safety and operational availability. Compact design and integrated power supply solutions provides cost-efficient infrastructure.



APPLICATIONS

Degree of protection	IP55; IP66
Busbar surface	Copper or Aluminium
Insulation	Mylar
Rated insulation voltage	1,000 VAC
Rated values	Up to 6,300A
Rated short-time withstand	Up to 150kA

06

SIEMENS SIVACON S8 LV SWITCHGEAR & MCC

Siemens SIVACON S8 low-voltage power distribution board & Intelligent Motor Control Centre Safe, Flexible, and efficient low-voltage power distribution boards, design-verified according to the IEC 61439-1/-2 standard. High level of personal and plant safety. Flexible and adaptable modular design.



APPLICATIONS

Mounting Design	Fixed, withdrawable
Rated values	Up to 6,300A
Short Circuit	Up to 150kA
Internal separation	Form 1, 2b, 3b, 4b, 4 type 7

PRODUCT RANGE

MEDIUM VOLTAGE & MOTOR CONTROL CENTRE



01



LOW-VOLTAGE MOTOR CONTROL CENTRE



Powerwell Low-Voltage Motor Control Centre (MCC) is ASTA certified in accordance with international standards. Reliable performance and the emphasis on personnel safety are the hallmark of our switchboard.



Main and secondary power distribution up to 6000A



Reactive Power Compensation

APPLICATIONS

Standards and Testing

Description

Low-Voltage switchgear and control assemblies –
Part 1: General rules
Part 2: Power switchgear and controlgear assemblies

Standard

IEC 61439-1
IEC 61439-2

Enclosed low-voltage switchgear and controlgear assemblies – Guide for testing under condition of arcing due to internal fault

IEC/TR 61641

Electromagnetic compatibility (EMC) –
Part 6-4: Generic standards – Emission standard for industrial environments
Part 6-2: Generic standards – Immunity standard for industrial environments

IEC 61000-6-4
IEC 61000-6-2

Degree of protection provided by enclosures

IEC 60529

02

MEDIUM VOLTAGE AUTO-TRANSFORMER STARTER

Auto Transformer Starter
Reduction of the starting current drawn by the motor, resulting in a smoother and more controlled startup.



03

MEDIUM VOLTAGE DIRECT ONLINE STARTER

DOL starter full supply voltage, allowing motor to start instantly. High inrush current during motor starting, which can be several times higher than the motor's rated current.



04

MEDIUM VOLTAGE SOFT STARTER

Soft Starter Electronic device used to gradually start and control the speed of an induction motor. It is designed to reduce the inrush current and mechanical stress during motor starting, resulting in a smoother and controlled acceleration of the motor.



PRODUCT RANGE

POWER DISTRIBUTION
& CONTROL PANEL



01



LOW-VOLTAGE DISTRIBUTION BOARD



Powerwell Low-Voltage Distribution Board (DB) is SIRIM certified in accordance with international standards. Reliable performance and the emphasis on personnel safety.

 Main and secondary power distribution up to 250A

APPLICATIONS Standards and Testing

Description	Standard
Low-Voltage switchgear and control assemblies – Part 3: Distribution Boards	IEC 61439-3
Certified by Suruhanjaya Tenaga	ST(TKL)PPS/220267P No.: 617
JKR Standards	LS-1

02

POWER DISTRIBUTION UNIT

Power Distribution Unit (PDU) delivers and monitors power within critical load applications, all within a minimal footprint. It comes equipped with intelligence and monitoring hardware, enabling end-users to have visibility and manage critical power circuits effectively.



03

REMOTE POWER PANEL

Remote Power Panel (RPP) delivers and monitors power within critical load applications, all within a minimal footprint. It comes equipped with intelligence and monitoring hardware, enabling end-users to have visibility and manage critical power circuits effectively.



04

REMOTE CONTROL PANEL

Remote Control Panel Remote control panel provides convenience and safe switching operation of the switchgear from a dedicated location, typically located away from the actual switchgear. It serves as control function, monitoring, indication and alarms.



PRODUCT RANGE

POWER TRAIN UNIT



POWERWELL POWER TRAIN UNIT (PTU)

Empowered by Powerwell – Integrated Power Infrastructure for the Next Generation of Data Centres



FACTORY-BUILT MODULAR POWER INFRASTRUCTURE

The Powerwell Power Train Unit (PTU) is a fully integrated, factory-built power infrastructure solution engineered to accelerate data centre deployment. Combining medium voltage distribution, transformers, low-voltage switchboards, Uninterruptible Power Supplies (UPS) systems, lithium-ion batteries, Computer Room Air Conditioning (CRAC) systems, fire protection, and intelligent monitoring through Building Management Systems (BMS) into a single modular platform, the PTU delivers exceptional reliability, efficiency, and scalability for mission-critical applications.

Designed and manufactured in Malaysia by Powerwell, the PTU enables data centre operators, EPCC contractors, and hyperscale infrastructure providers to reduce construction timelines, minimise on-site installation risks, and achieve faster project commissioning.

POWERING THE FUTURE OF DIGITAL INFRASTRUCTURE

As artificial intelligence (AI) computing and cloud infrastructure continue to expand, data centres require power systems that can be deployed rapidly while maintaining the highest levels of reliability and operational resilience.

Powerwell's Power Train Unit is a prefabricated modular power solution that consolidates critical electrical and supporting infrastructure into a compact, tested, and transportable platform. Each PTU is engineered, assembled, and factory-tested under controlled conditions before delivery, reducing site activities, improving quality assurance, and accelerating deployment.

Built with a scalable modular architecture, the PTU allows data centre operators to efficiently expand capacity while maintaining high availability for mission-critical operations.

INTEGRATED. INTELLIGENT. RELIABLE.

From grid connection to critical load distribution, the Powerwell PTU provides a complete power infrastructure solution that simplifies project execution, enhances system reliability, and supports the evolving demands of next-generation data centres.

PRODUCT RANGE

E-HOUSE



POWERWELL SYSTEM & SOLUTION

E-HOUSE SUBSTATION SOLUTION

Our E-House Substation solution is prefabricated, modular substation designed for efficient and reliable power distribution. Engineered to meet project-specific requirements, each E-House can integrate switchgear, electrical equipment, control system, and auxiliary system within a purpose-built, factory-assembled enclosure, enabling faster installation and streamlined project execution.



ACCREDITATIONS

01 MALAYSIA



SIRIM QAS



JABATAN KERJA RAYA MALAYSIA
(Malaysian Public Works Department)



SURUHANJAYA TENAGA MALAYSIA
(MALAYSIA ENERGY COMMISSION)

02 QUALITY & SAFETY



CB-MS-10358



ACCURATE GLOBAL



Quality Management System

Certificate No.:

- 006AGIK080301 KEJ
- 006AGIP080701 PI
- 006AGIP080601 PSB



CB-MS-10343



ACCURATE GLOBAL



Environmental Management System

Certificate No.:

- 006AGIK080303 KEJ
- 006AGIP080703 PI
- 006AGIP080603 PSB



CB-MS-10348



ACCURATE GLOBAL



Occupational Health and Safety Management System

Certificate No.:

- 006AGIK080302 KEJ
- 006AGIP080702 PI
- 006AGIP080602 PSB



ISO 9001:2015 Certified

03 INTERNATIONAL ELECTROTECHNICAL COMMISSION



International
Electrotechnical
Commission

- IEC 60439
ASTA FULL TYPE-TESTED CERTIFICATION
600A-6000A
- IEC 61439
ASTA CERTIFICATE OF VERIFICATION TEST
1250A-6000A
- IEC 61641
ASTA CERTIFICATE OF INTERNAL FAULT TEST
- ASSEMBLY FORM SEGREGATION UP TO FORM 4B
- ASSEMBLY DEGREE OF PROTECTION UP TO IP20,
IP41, IP42, IP43, IP54, IP55(SIRIM), IP66(SIRIM)

04 SEISMIC

KEMA Labs

- INTERNATIONAL ELECTROTECHNICAL
COMMISSION IEC 60068
- SEISMIC TEST VERIFICATION
- INSTITUTE OF ELECTRICAL AND
ELECTRONICS ENGINEERS
- IEEE 693:2018 - SEISMIC DESIGN

05 TECHNOLOGY PARTNERSHIPS



SIEMENS



SIEMENS



SIEMENS



SIEMENS



SIEMENS



ABB Authorised
Panel Builder



ABB Pro E
Partner Certificate



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