



POWERWELL
Empowering Possibilities



COMPANY
BROCHURE

ABOUT US

Powerwell Holdings Berhad ("Powerwell" or "the Company") is an investment holding company incorporated in Malaysia and was listed on the ACE Market of Bursa Malaysia Securities Berhad on 22 January 2020.

Powerwell and its subsidiaries ("Powerwell Group") has been a leader in electrical power solutions since 1986, transforming the industry with innovative and reliable products.

With over three decades of industry expertise, Powerwell Group specialises in the designing, manufacturing and supplying cutting-edge electrical power distribution low voltage ("LV") switchboards, medium voltage ("MV") switchgears and related products for diverse infrastructures and facilities.

Our precision engineered LV switchboards and MV switchgears deliver seamless power distribution and operational stability, from single buildings to expansive infrastructures.

With a global presence in Malaysia, Indonesia, Bangladesh, Australia, and Thailand, we are driven by our commitment to 'Empowering Possibilities,' pushing the boundaries of electrical power distribution to enhance lives and shape the future, through relentless innovation and progress.

Recent advancements in the data centre sector underscore our ability to adapt and excel in high-growth markets. Powerwell's solutions power data centres for global leading tech conglomerates, ensuring stability and efficiency in the rapidly growing tech and digital industry. With major data centre projects underway in Malaysia and completed projects in Jakarta, Indonesia, Powerwell is at the forefront of Southeast Asia data centre expansion.

Our dedication extends to high-value projects across data centres, renewable energy, semiconductor factories, commercial malls, condominiums and major infrastructure initiatives such as MRT (Mass Rapid Transit) system, LRT (Light Rail Transit) system, and the Johor Baru-Singapore Rapid Transit System (RTS). These strategic focuses have reinforced our market leadership and enhanced our profitability, assuring you of our capability to tackle even the most complex projects.

At Powerwell, we are on an electrifying journey where possibilities are endless. Our passion for innovation fuels our commitment to excellence, transforming lives with our advanced electrical solutions. Join us in shaping the future of power and be part of this exciting journey!

Powerwell Local & International Manufacturing Facilities & Offices



KEJURUTERAAN POWERWELL SDN BHD

- Established in 1996
- Manufacturing plant
- Kota Kemuning Shah Alam
- Built up area 6500M²



POWERWELL INTERNATIONAL SDN BHD

- Established in 2001
- Manufacturing plant
- Kota Kemuning Shah Alam
- Built up area 3800M²
- International and local market



KEJURUTERAAN POWERWELL SDN BHD - JOHOR BAHRU BRANCH

- Established in 2021
- Manufacturing plant
- Eco Business Park, Kempas, Johor Bahru
- Built up area 438M²



POWERWELL INTERNATIONAL SDN BHD - PENANG OFFICE

- Established in 2022
- Office
- Vervea, Simpang Ampat
- Built up area 320M²



PT POWERWELL LISTRIK INDONESIA

- Established in 2019
- Assembly plant
- Serpong, Tangerang Selatan
- Built up area 589M²

PRODUCT RANGE



POWERWELL LOW VOLTAGE MAIN SWITCHBOARD

Powerwell Low Voltage Main Switchboard (MSB) are ASTA certified in accordance with international standards. Reliable performance and the emphasis on personnel safety are the hallmark of our switchboard.

FUNCTIONS

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

APPLICATIONS

Standards and Testing

Standards	Low-Voltage switchgear and control assemblies – Part 1: General rules	IEC 61439-1
	Low-Voltage switchgear and control assemblies – Part 2: Power switchgear and controlgear assemblies	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	IEC 61000-6-4
	Electromagnetic compatibility (EMC) – Part 6-2: Generic standards – Immunity standard for industrial environments	IEC 61000-6-2
	Degrees of protection provided by enclosures Reactive Power Compensation	IEC 60529 Main and secondary power distribution up to 6000A



POWERWELL LOW VOLTAGE AUTO MAIN FAILURE PANEL

Powerwell Low Voltage Auto Main Failure Panel (AMF) assures compliance with rigorous 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. The hallmark of these panels is their dedication to personnel safety, making them a trusted choice for applications where uninterrupted power supply is essential.

FUNCTIONS

- Power distribution up to 6300A

APPLICATIONS

Standards and Testing

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



POWERWELL LOW VOLTAGE MOTOR CONTROL CENTRE

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

FUNCTIONS

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

APPLICATIONS

Standards and Testing

Standards	Low-Voltage switchgear and control assemblies – Part 1: General rules	IEC 61439-1
	Low-Voltage switchgear and control assemblies – Part 2: Power switchgear and controlgear assemblies	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	IEC 61000-6-4
	Electromagnetic compatibility (EMC) – Part 6-2: Generic standards – Immunity standard for industrial environments	IEC 61000-6-2
	Degrees of protection provided by enclosures	IEC 60529



POWERWELL LOW VOLTAGE WEATHERPROOF FEEDER PILLAR

Powerwell Low Voltage Weatherproof Feeder Pillar (FP) are SIRIM certified, guaranteeing compliance with international quality and safety standards. They excel in providing reliable power distribution and prioritize personnel safety, making them a trusted choice for various applications. Powerwell Feeder Pillars are engineered to withstand the diverse environmental conditions.

FUNCTIONS

- Power distribution up to 1000A

APPLICATIONS

Standards and Testing

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



PRODUCT RANGE



POWERWELL LOW VOLTAGE SUB SWITCHBOARD

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

FUNCTIONS

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

APPLICATIONS

Standards and Testing

Standards	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 Standard (Option)	LS-1
	Degrees of protection provided by enclosures	IEC 60529



POWERWELL LOW VOLTAGE DISTRIBUTION BOARD

Powerwell Low Voltage Distribution Board (DB) are SIRIM certified in accordance with international standards. Reliable performance and the emphasis on personnel safety are the hallmark of our switchboard.

FUNCTIONS

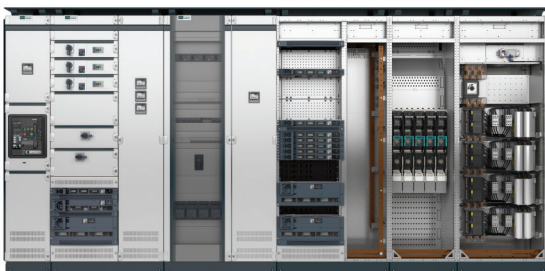
- Main and secondary power distribution up to 250A

APPLICATIONS

Standards and Testing

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

SIEMENS LOW VOLTAGE POWER DISTRIBUTION

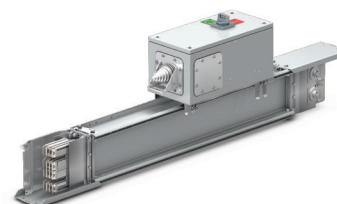


SIEMENS SIVACON S8 LV SWITCHGEAR & MCC

Siemens SIVACON S8 low-voltage power distribution board & Intelligent Motor Control Center 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



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/-6 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

PRODUCT RANGE

SIEMENS MEDIUM VOLTAGE SWITCHGEAR



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.



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



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 value	Up to 24kV, Up to 25kA, Up to 2,500A.



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.



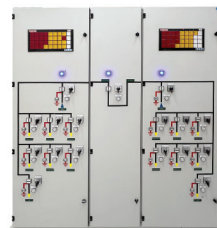
MEDIUM VOLTAGE SOFT STARTER

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.



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.



REMOTE CONTROL PANEL

Remote Control Panel Remote control panel provide 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.



POWER DISTRIBUTION UNITS

Power Distribution Units (PDUs) deliver and monitor power within critical load applications, all within a minimal footprint. It come equipped with intelligence and monitoring hardware, enabling end-users to have visibility and manage critical power circuits effectively.



REMOTE POWER PANEL

Remote Power Panels (RPPs) deliver and monitor power within critical load applications, all within a minimal footprint. It come equipped with intelligence and monitoring hardware, enabling end-users to have visibility and manage critical power circuits effectively.



PRODUCT RANGE

POWERWELL SYSTEM & SOLUTION

E-HOUSE SOLUTION

E-House Substation solutions E-Houses is a prefabricated substations utilized for power distribution purposes. These modular substations are designed to include switchgear rooms based on specific requirements



ACCREDITATIONS

MALAYSIA



SIRIM QAS



JABATAN KERJA RAYA MALAYSIA
(Malaysian Public Works Department)



SURUHANJAYA TENAGA MALAYSIA
(MALAYSIA ENERGY COMMISSION)

QUALITY & SAFETY



Quality Management System
Certificate No.: 1230057
1230055
1230056



Occupational Health and Safety
Management System
Certificate No.: 3230015
3230013
3230014



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 TESTS
- ASSEMBLY FORM SEGREGATION UP TO FORM 4B
- ASSEMBLY DEGREE OF PROTECTION UP TO IP20,
IP41, IP42, IP43, IP54, IP55, IP66



International Electrotechnical
Commission

SEISMIC

KEMA Labs

INTERNATIONAL ELECTROTECHNICAL
COMMISSION IEC60068
- SEISMIC TEST VERIFICATION

INSTITUTE OF ELECTRICAL AND
ELECTRONICS ENGINEERS
IEEE 693:2018 - SEISMIC DESIGN

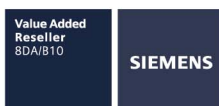
TECHNOLOGY PARTNERSHIP



ABB Authorised
Panel Builder



ABB Pro E
Partner Certificate



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