



AUSTRALIA



PLP Switchgear

PLP Australia is a trusted provider of switchgear for substations as well as distribution and transmission networks supporting critical energy infrastructure.



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The connection you can count on



Utility Partners

- Ausgrid
- Transgrid
- Endeavour Energy
- Essential Energy
- Powerlink
- Energy Queensland (Energex and Ergon)
- South Australian Power Network (SAPN)
- AusNet Services
- ElectraNet
- Western Power

Key Projects

- Avoca Substation (NSW)
- Beaconsfield Substation (VIC)
- Cherry Tree Windfarm (QLD)
- Christmas Creek Substation (WA)
- Cloudbreak Substation (WA)
- Collector Windfarm (NSW)
- Darling Down Solar Farm (QLD)
- Denham Court (NSW)
- Eraring Substation (NSW)
- Forrestfield Airport (WA)
- Khancoban Substation (NSW)
- Liddell Substation (NSW)
- Lismore Substation (NSW)
- Long Jetty Substation (NSW)
- Lower Tumut (NSW)
- Marulan Substation (NSW)
- Newcastle Substation (NSW)
- Noraville Substation (NSW)
- Pine Creek Substation (NT)
- Roy Hill Substation (WA)
- Sapphire Windfarm (NSW)
- Stubbo Solar Farm (NSW)
- Tomago Substation (NSW)
- Toowoomba Distribution (QLD)
- Walla Walla Substation (NSW)
- West Gate Bridge Tunnel (VIC)
- Woy Woy Substation (NSW)
- Yanco Substation (VIC)
- Yass Substation Hydro (TAS)

PLP Switchgear Solutions

PLP Australia has been designing, manufacturing and installing switchgear since commencing operations in Australia in 1989 and continues to deliver quality switchgear solutions throughout Australia, New Zealand and Asia.

The PLP switchgear range is recognised for high-quality products, trusted service, on-time delivery, easy installation, technical support and short lead times.

Transmission Switchgear 72kV to 362kV

The complete package includes:

- Disconnectors.
- Earth Switches.
- Power Operators.
- Structures.
- A range of insulator options.
- Installation and Engineering Services.
- Fully assembled or flat-pack options are available.



PLP Transmission Switchgear has a proven record of safety, reliability and quality, providing long-life disconnectors for outdoor transmission substations.

PLP's engineering team can design structure heights, spacing and insulator configurations to suit site and operational requirements.

Rated up to 4000A continuous current and fault withstand up to 50kA rms for 1 second (125kAp), with remote automatic operation and earth switches available.



Distribution Switchgear 12kV to 36kV

Single Phase

- To connect and disconnect single phase cables.
- Positive latch mechanism prevents opening during faults, vibration and wind loading.
- Easily operated from ground level using a standard extendible hook stick.
- Silver plated contact to contact interface for low temperature rise, low maintenance and long life.

Single Insulated Links

- Designed for mounting on the crossarm.
- Mounting bracket allows angled or underslung horizontal mounting.
- Available in 12kV, 24kV and 36kV with 630A or 1000A options at 25kA/3sec rating.



Single Line Links

- Connects directly onto power cable.
- Cost saving option disconnector.
- Available in 12kV, 24kV and 36kV with 800A or 1000A options at 25kA/3sec rating.



Double Insulated Links

- Mounted on crossarm horizontally or vertically.
- Higher voltage and current rating options available.
- Available in 12kV, 24kV, 36kV and 72.5kV with 800A, 1000A, 1250A and 1600A options at 25kA/3sec rating.



Single Phase Disconnector

- Mounted on a crossarm.
- Used to disconnect power to electrical products (i.e. Transformers).
- Available in 12kV, 24kV and 36kV with 800A and 1000A options at 25kA/3sec rating.



All PLP Distribution Switchgear complies with AS and IEC 62771.102 standards. A range of Insulator options are available.

Three-Phase Air Break

- Mounted on crossarm for easy installation on poles.
- Proven safety and reliability record ensures a quality long life network switch.
- Fast installation and minimal site adjustment.
- Self-wiping contacts ensure low contact resistance and temperature rise.
- Handle or auto locking mid pole hook stick operator options are available.
- Stainless steel phase bearers and components for corrosion free lifetime even in coastal environments.
- Horizontal or vertical mounting options are available.
- Minimal maintenance, no periodic field adjustments needed.
- Available in flat-pack or complete installation.

Side Break Disconnectors

- Designed for mounting on the crossarm.
- Available in 12kV, 24kV and 36kV with 630A, 800A, 1000A and 1250A options at 25kA/3sec rating.



Vertical Break Disconnectors

- Designed for mounting on the crossarm for distribution and transmission substations.
- Available in 12kV, 24kV and 36kV with 630A, 800A, 1000A and 1250A options at 25kA/3sec rating.



Distribution Underground Link Boxes

PLP Link Boxes are designed to help eliminate or minimise circulating sheath currents in underground power cables. This is achieved by rearranging the position of the cables relative to each other at every joint bay.

Link Boxes are designed locally and type tested to UK EA Engineering Recommendation C55/4.

A range of options is available for cross bonding, single-point bonding and earthing. Insulator and SVL fittings can also be included.

All link boxes are routinely pressure tested (100kPa/15min) before delivery.

Short Circuit Rating: 50kA/1Sec

- Links: $< 5\mu\Omega$
- SVL Connections: $< 10\mu\Omega$
- Links and earth to furthest SVL: $< 30\mu\Omega$



Contact the PLP team today to discuss your switchgear requirements or visit our manufacturing facility in Sydney, Australia.



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