Intelligent PDUs
Data Centre Essentials

With Intelligent PDUs to support your data rack, you’ll be able to cut down on energy costs, optimise power capacity, and monitor for potential problems before they cause any damage.

About B&R data cabinets

With a unique understanding of data applications, B&R manufacture and supply the highest quality 19” data cabinets, providing you with the ultimate in flexibility, whatever your requirements.

B&R’s range of data cabinets have been designed by industry experts to ensure that the products are optimised for reliability, security and ease of installation.

From design through to manufacture, B&R do not compromise on quality, and use the best materials to ensure data centres are optimised for a long and productive life.

Some of the largest companies around the world use B&R as a major supplier. These include Telstra, NBN Co. and the Australian Government to name a few.

Why purchase an iPDU?

In a world of big things, the little things in life are often overlooked. We are busy searching for the big idea, looking at the big picture, or chasing that big adventure. Especially in technology, business is driven by big data, powered by even bigger data centres.

But what about the little things? Where would the big wheel be without the small cog that keeps it turning?

It can be hard to see how the small things matter – until it all goes wrong. In the complex world of the data centre, the little things are critical. Variations in temperature, improperly connected cables, the accidental overloading of branch circuits. With the potential for so many things to go wrong at rack level, it can start to feel as though the little things begin to snowball out of control.

What you need are eyes and ears in every part of the data centre – or even better, a brain that can actively monitor and measure these individual events and give advanced warning before the problems escalate to failure.

The rack PDU is a small, but vital part of the data centre energy supply chain – the IT gear can’t function without it. You’ll find one in every IT rack, usually two. But of seemingly small significance, the additional cost of a PDU is often overlooked amongst the bigger purchasing decision of IT and facilities.

We offer a wide range of services to customise standard product, ensuring that a data solution is delivered ready for installation and 100% fit-for-purpose.

Data ICT solutions include networking and server solutions, containment and caging, high security and SSEC cabinets, cooling and efficiency management, and many more.

B&R also offer a wide range of accessories that can be included in a data cabinet package to deliver a total solution, whatever your requirements.

Intelligent energy PDUs work like a brain within the rack, providing comprehensive, accurate energy measurement data needed to reduce waste, enhance operations, and prove the business case for optimisation.

The intelligent PDU sits within the rack continually looking for threats from electrical circuit overloads, and any physical or environmental conditions which might place critical IT computing loads at risk.

Introducing a range of intelligent PDUs that further enhance an already existing and established product offering. This range compliments and can provide a total solution, making B&R the right choice for any data centre.

Combine a B&R data cabinet with an intelligent power distribution unit and you have a smart rack capable of providing the information you require.

B&R can pre-configure your smart rack by wiring sensors and pre-installing accessories as required. This can save you a great deal of time and we can package it together so you only need one part number.

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PDUs are designed to suit a combination of application needs, including network communication, power distribution and network management.

Features

- Modular design
- Embedded MCU (Multipoint Control Unit) operating system
- High power input and high density socket output
- Remote monitoring and management via network
- High speed, easy to operate
- Safe, reliable and cost efficient
- Through CLEVER HUB, one Switched or Metered PDU can link up to 31 pcs.
- Remotely monitor the total load current and voltage of the PDU.

- Display the load current of the PDU on the digital AC ammeter. When an overload occurs, the value on the ammeter flashes and a buzzer sounds the alarm.
- Individually set the threshold of the desired current based on the customers administration software system.
- Switched PDUs include the option to switch on or off an individual outlet.

ORDERING GUIDE

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<th>Part Number</th>
<th>Input Circuit</th>
<th>Outlet Configuration</th>
<th>Orientation</th>
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* Automatic Transfer Switch

Pair your iPDU with a smart UPS to guarantee clean power is delivered to your systems reliably and consistently.
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