

**Rittal – The System.**

Faster – better – everywhere.

# AX compact enclosures for photovoltaic systems

Innovative solutions for the energy transition



ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES



FRIEDHELM LOH GROUP



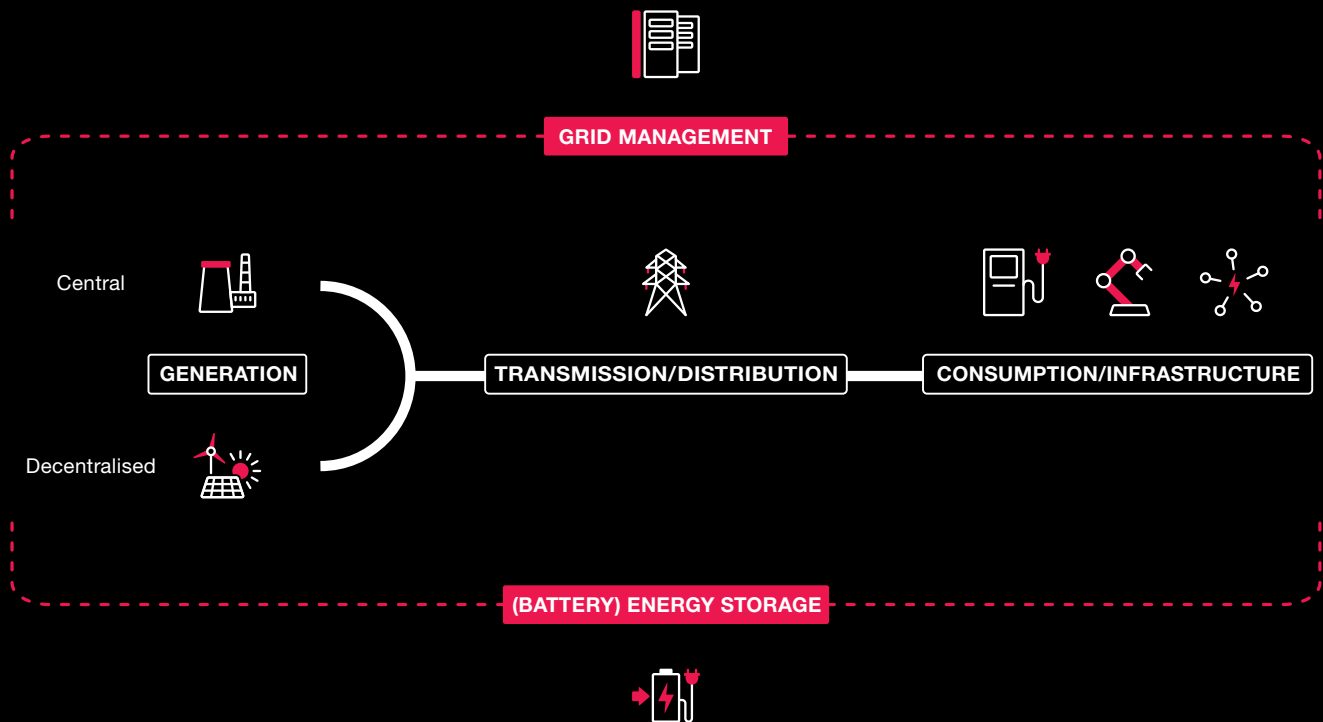
**100%**

**tested and  
standardised quality**

# Rittal Energy & Power Solutions

The energy transition is in full swing. Alongside wind power, photovoltaic systems play an important part in renewable energies. With its wide range of products for the energy sector, Rittal offers safe and powerful solutions for photovoltaic systems. Drawing on its many years of experience in the industry, Rittal pools its expertise in the company's "Energy & Power Solutions" division and is always at its customers' side as a reliable partner. Our products are a byword for efficiency, modularity and sustainability.

Our AX series compact enclosures are suitable for both indoor and outdoor use, making them ideal for photovoltaic applications. Preconfiguration, seamless documentation and optional preassembly all save photovoltaic system operators time. What's more, they benefit from the Rittal system concept.



The right solution to suit every requirement  
– Rittal Energy & Power Solutions supports  
you as you negotiate the energy transition.

# AX plastic enclosures – the ideal solution for photovoltaic systems

---

**AX plastic enclosures are up to the task, whatever the requirements – whether for outdoor use in all weathers or for good indoor protection.**

AX plastic enclosures offer the combined benefits of well-thought-out system technology and an extremely robust material. These compact enclosures provide protection for electrical engineering components in harsh environments – exactly the kind of conditions to which outdoor photovoltaic systems are exposed. The ingenious enclosure concept offers panel builders greater planning flexibility right from the outset. The installation process can be made much faster, for example, since the numerous mounting bosses inside the enclosure mean system accessories such as punched sections and rails can be screwed directly and quickly onto the rear panel or anywhere on the inside. AX enclosures are suitable for the Rittal ePOCKET digital wiring plan and perfect for the panel building and switchgear value chain.

## **Outdoor capabilities thanks to high safety standards**

- High level of safety for people and installed equipment
- UL F1 outdoor rating (UL 746C) thanks to UV resistance that is seven times higher
- UL certification for industrial enclosures (508A)
- Fire protection to UL 94 V-0
- Flexible interior installation possible, without compromising the encapsulated section in any way (IP66/NEMA 4X, protection class II)



Further information is available on our website:  
[www.rittal.com/Plastic-enclosures-AX](http://www.rittal.com/Plastic-enclosures-AX)

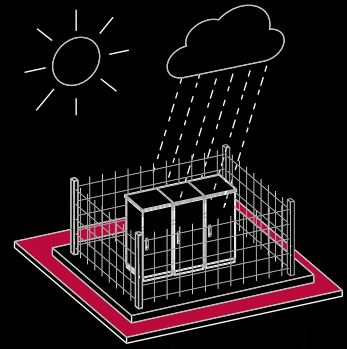


## Your benefits at a glance:



- The enclosure is ideally suited to outdoor applications (integrated rain protection strip)
- Variable and customised configuration with Rittal system accessories (interior with a 25 mm pitch pattern)
- Personal safety thanks to protection class II encapsulated enclosure
- Fibreglass-reinforced plastic with a high level of UV resistance
- Stable and secure wall mounting
- High protection category up to IP66/NEMA 4X
- QR code on the enclosure, door and mounting plate for seamless monitoring

### Environment 3



#### Outdoor Advanced

Installations that are exposed to the weather and with potentially aggressive/abrasive/corrosive substances in the atmosphere in non-public areas.

# AC distributor based on AX – for photovoltaic systems in mains parallel operation

---

Rittal offers the AC distributor based on the AX compact enclosure specially for photovoltaic systems > 30 kVA in mains parallel operation. The powder-coated sheet steel enclosure in protection category IP66 is suitable for installation in protected rooms. If there is a canopy to provide protection from rain, snow and direct sunlight, outdoor use is also possible.

AX compact enclosures have been steadily improved over recent years. Every aspect of the solution has been carefully thought out with specific reference to photovoltaic system applications. Consequently, customers get much more than just a basic enclosure – the product they receive is preconfigured, includes documentation and power distribution, and can be preassembled on request.

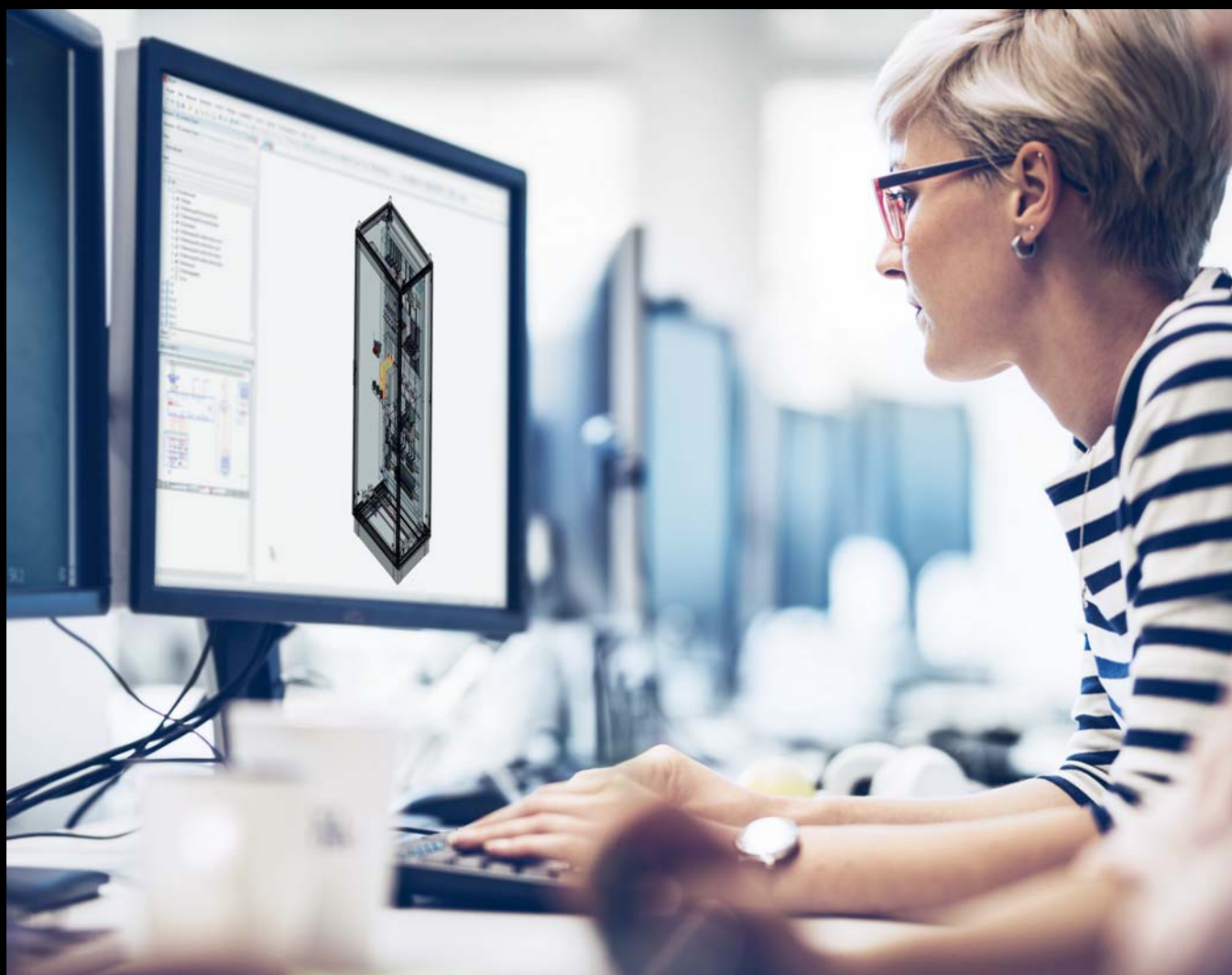
The AX offers another benefit, too – extra room. The modular design, optimised cut-outs and larger gland plates provide, on average, up to a third more space for routing cables than the previous model. Since 2022, the AX has been offering even more options, thanks to the interior installation rail in a 25 mm pitch pattern with enhanced stability. The integrated locators in AX enclosures mean the rail can be locked in place easily and precisely, with no drilling required.



## Your benefits at a glance:



- Simple, rapid and safe configuration over multiple mounting levels possible
- Variable and customised configuration with Rittal system accessories (fully usable interior with a 25 mm pitch pattern)
- Can be used with wall-mounted or floor-standing enclosures up to 2100 A
- Tested system component earthing and equipotential bonding connections
- Accessibility of all the components and connections used (maintenance and service)
- Simple engineering and seamless documentation with Rittal and Eplan software tools



# Rittal – The System.

Faster – better – everywhere.

- Enclosures
- Power Distribution
- Climate Control
- IT Infrastructure
- Software & Services

You can find the contact details of all  
Rittal companies throughout the world here.



[www.rittal.com/contact](http://www.rittal.com/contact)

XWWW00255EN2301

ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES



FRIEDHELM LOH GROUP