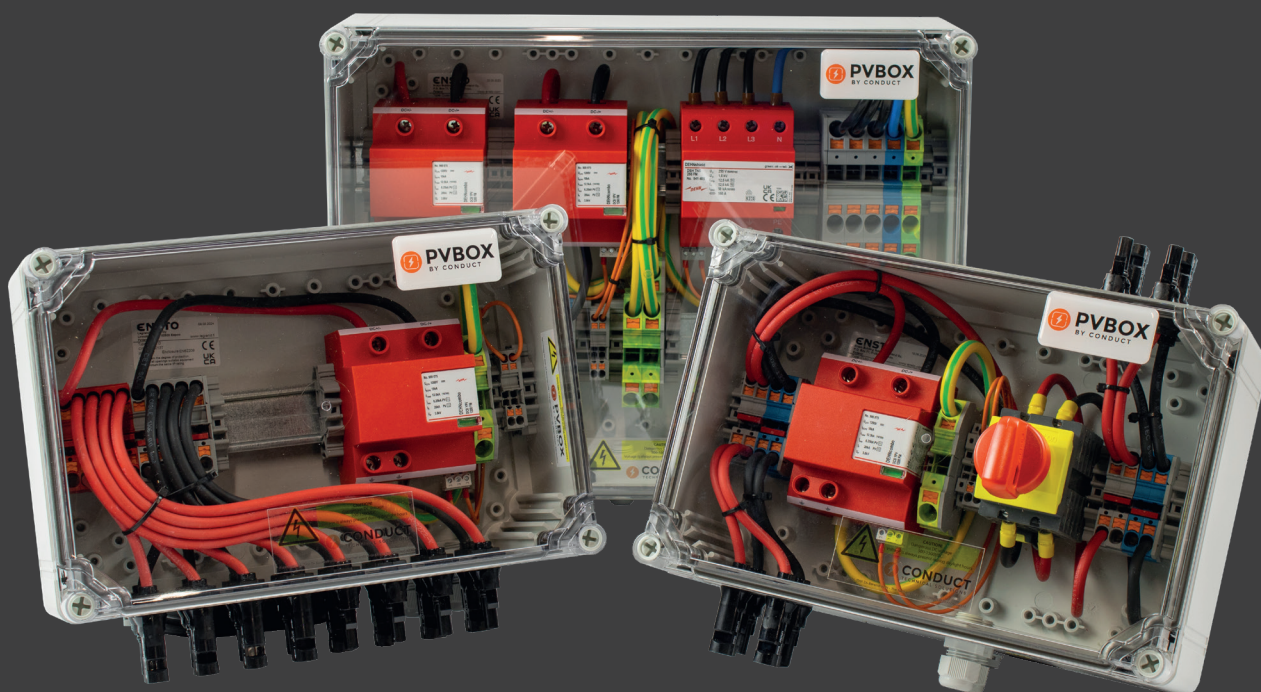




PVBOX

BY CONDUCT

Designed to protect



GENERATOR CONNECTION BOXES



CONDUCT
TECHNICAL SOLUTIONS



Generator connection boxes

The Conduct PVbox ensures efficient and secure integration of solar panels with the inverter and the AC installation. Featuring built-in lightning and surge protection from DEHN, the PVbox provides robust defence against direct and indirect lightning strikes. The housing is made entirely of polycarbonate. The installed SPDs are modular, allowing the plug-in modules to be easily removed during future inspections for insulation resistance measurements. The product complies with **IEC 60364:2020**, **NEN-EN IEC 61439-1**, **IEC 60364-7-712:2017**, and **NEN-EN-IEC 62305-4:2011**, ensuring a safe and sustainable installation.

Why PVbox?

- Protects the solar panel installation against direct and indirect lightning strikes.
- Complies with all required standards.
- PVbox is tested for lightning current.
- Calculate your PVbox using the PVboxtool.
- There is a PVbox for every project.



Multifunctional expansion options

Customised Combiner Boxes

The PVbox can be configured as a combiner box, making it ideal for projects that combine multiple strings into a single central point. This reduces cabling costs and simplifies management. Optional additions, such as load disconnectors and DC fuse holders, provide extra flexibility.

Solutions for Battery Storage Systems

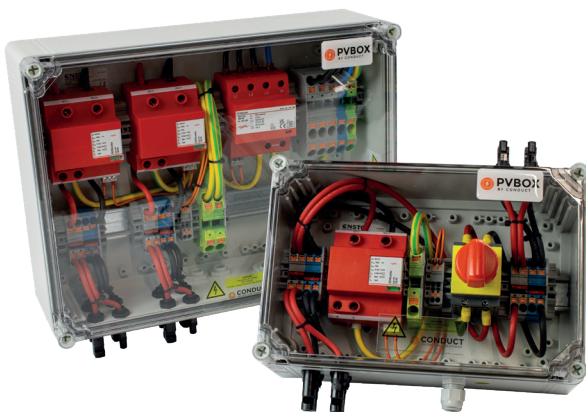
The PVbox supports integration with battery storage systems, where surge protection and load disconnectors contribute to the safe operation of DC and AC circuits. This makes the PVbox the perfect component for hybrid and off-grid applications.

Integration of a FireSwitch

For optimal fire safety, the PVbox can be equipped with an integrated FireSwitch. This fireman's switch ensures all circuits are immediately de-energised in emergencies, significantly improving safety for emergency responders.

Integration with PValarm

Combine the PVbox with PValarm for a secure solar panel installation. PValarm detects sabotage or faults. Using four potential-free alarm contacts, signal boxes (acoustic and/or visual) can be connected, and links to a building management system can be established.



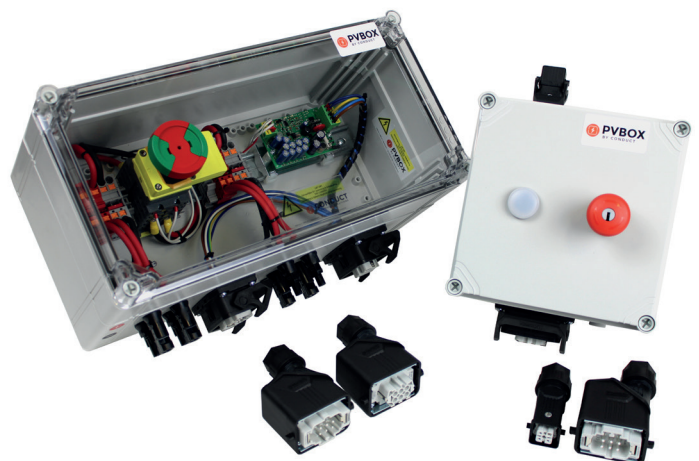
PValarm

PValarm offers the ultimate solution to secure your solar panel installation. This system alerts you in cases of solar cable cutting, inverter theft, power outages, or sabotage. The 4 potential-free alarm contacts allow for easy connection of PValarm signal boxes (acoustic and/or visual) and integration with a building management system. It can also be connected as a specific zone within an intrusion detection system. Additionally, the system provides the option to forward alerts to a private alarm centre (PAC).



FireSwitch

Conduct provides the PVbox FireSwitch (fireman's switch) as the ideal solution for safely disconnecting the DC circuit. This creates a secure environment for firefighters by de-energising the hazardous DC voltage. With this fireman's switch, up to 5 strings can be disconnected in a single action from the switch box at the building's entrance. By adding a PVbox distribution box, multiple strings can be disconnected. Including surge protection completes the solution, offering a comprehensive safety system.



PVbox DATA

A significant portion of communication within and between businesses is conducted electronically. A reliable ICT infrastructure is essential and is becoming increasingly important. In the event of a power surge entering the building via data cables, the entire ICT infrastructure could be disrupted, leading to significant problems and high costs. Fortunately, this can be prevented with PVbox DATA.

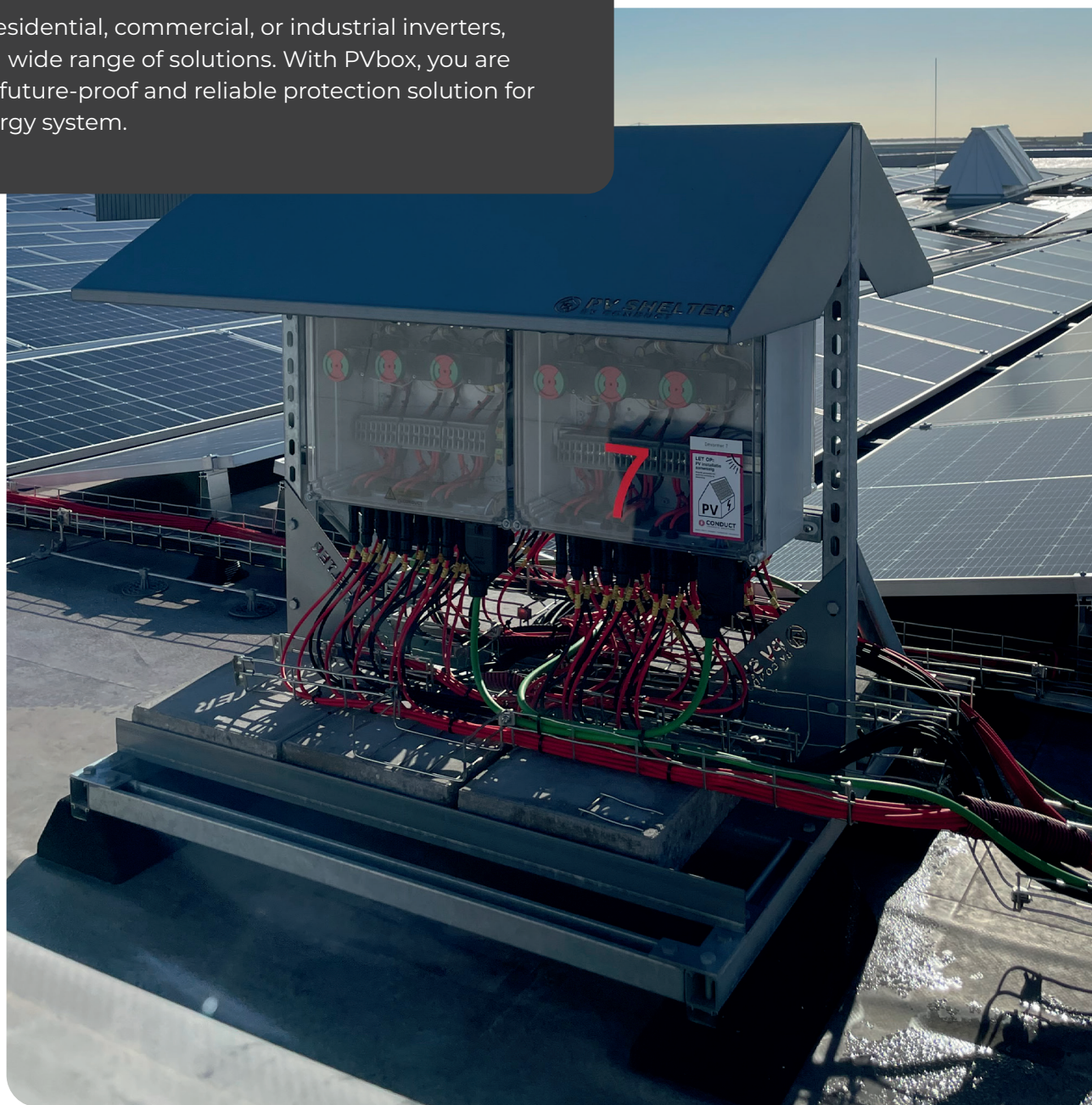


For protecting data cables against surges, ideal in combination with PVbox.

A reliable solution

When selecting the right solution for lightning and surge protection, various factors come into play, such as the size and location of the installation, local weather patterns, and regulations. Our PVboxes, equipped with high-quality Stäubli MC4 connectors, provide a reliable solution that meets the inspection requirements for solar panel installations.

Whether for residential, commercial, or industrial inverters, PVbox offers a wide range of solutions. With PVbox, you are guaranteed a future-proof and reliable protection solution for your solar energy system.

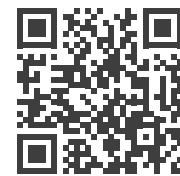


Want to know which PVbox is suitable for your application? Calculate your PVbox with the PVboxtool!

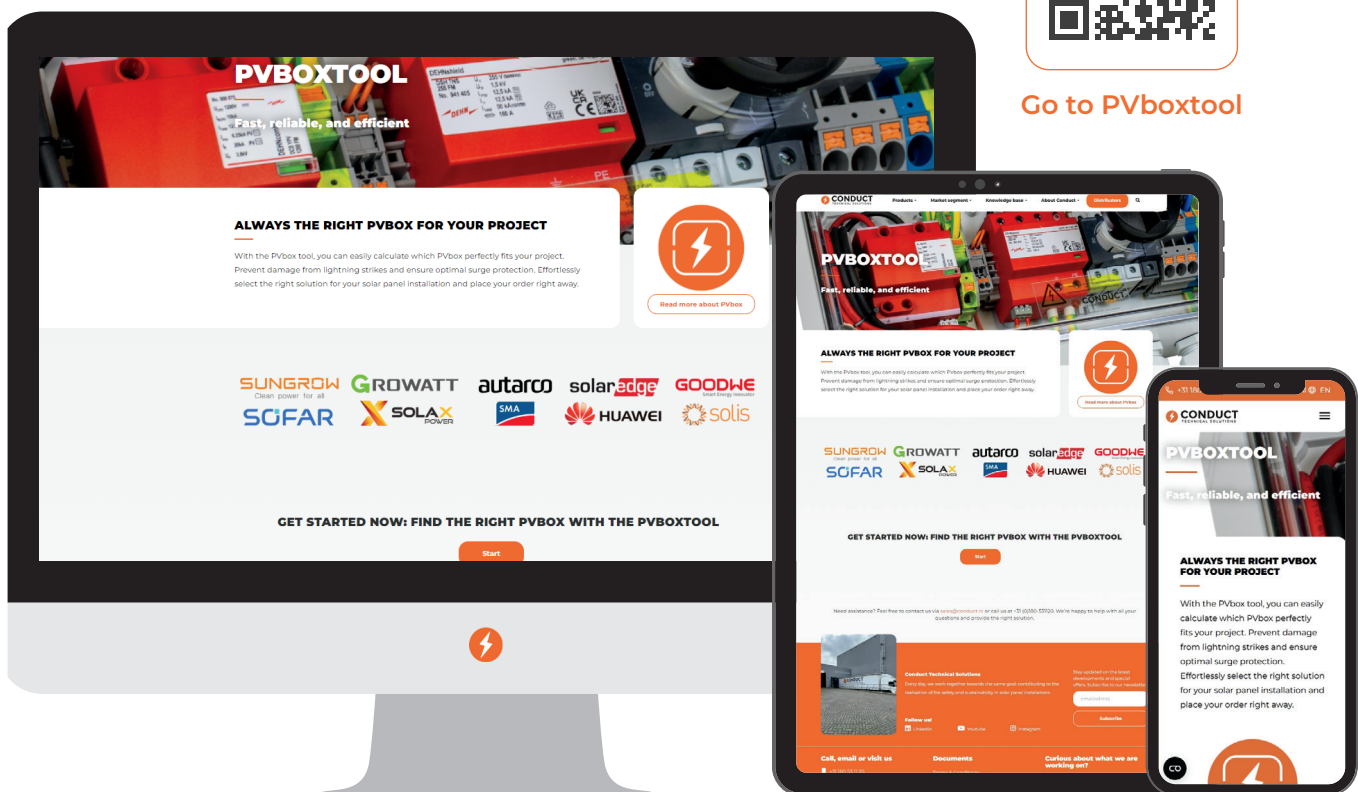
The PVbox comes standard with a Type 1+2 SPD for each MPPT. Given the many options we offer, including the addition of DC and/or AC load disconnectors and optional AC SPDs, we have developed the PVbox tool.

Easily select the PVbox you need for your installation online using the PVboxtool and request it directly. It is housed in a robust enclosure and equipped with Stäubli MC4 connectors for quick installation.

Scan the QR code to discover the PVboxtool.

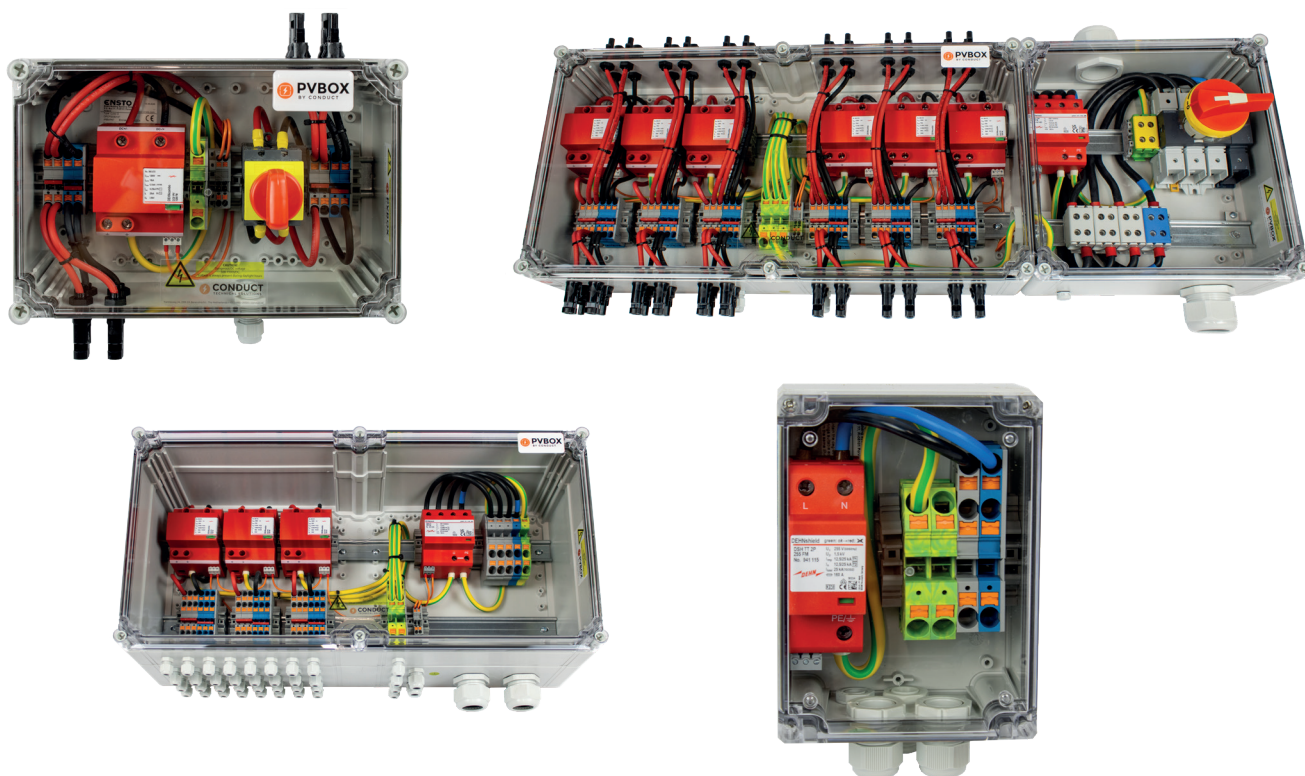


Go to PVboxtool



Why PVboxtool?

- **Complete:** Instantly assess relevant system and product requirements.
- **Standards-compliant:** Selection based on normative aspects.
- **Flexible:** Enabled for implementation on relevant wholesaler websites.
- **Up-to-date:** The PVbox database always contains the most recent product information.
- **User-friendly:** Thanks to logical and sequential questioning.



GOODWE
your solar engine

GROWATT

autarcon



SOLAX
POWER



HUAWEI

solaredge



SOLIS

SUNGROW
Clean power for all

SO FAR

Conduct thinks along

At Conduct, customer service and support are at the core of everything we do. Whether it's about innovative solutions, custom projects, or delivering the best service, Conduct is here to provide support.

Total solution

Conduct offers a total solution by combining the product groups PVshelter, RoofSupport, PVbox, PVtube, and SolarCable. This ensures a reliable, fire-safe, and efficient solar panel installation.

Ordering

Conduct's product range is available through various distributors across Europe. Scan the QR code below for a full list of our partners and to access sales points directly.

Contact

Feel free to email us at info@conduct.nl or contact us by phone at +31 (0) 180 - 53 11 20. Conduct is available Monday to Friday from 08:30 to 17:00 and is happy to assist with any questions you may have *zonnepaneelinstallatie*.

FIND DISTRIBUTOR



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