



CONDUCT

TECHNICAL SOLUTIONS

SAFETY TO SOLAR



BROCHURE

Conduct Technical Solutions

About Conduct

Conduct is the leading manufacturer in the field of fire safety for solar panel installations and energy storage systems, with a focus on the highest possible quality, ease of installation, and sustainability. With its product groups PVshelter, RoofSupport, and PVbox, Conduct provides a total solution for safe and efficient solar panel installations. All systems are fully aligned and easy to integrate.

The environmentally friendly choice

Conduct uses sustainable material: Magnelis® steel. This specialised coating consists of zinc, 3.5% aluminium and 3% magnesium. The material is corrosion-resistant and features self-healing properties, making it strong enough to withstand extreme weather conditions. Thanks to the superior corrosion resistance of Magnelis®, end users can rely on a guaranteed long lifespan in PV projects built in industrial and coastal environments.

Certified quality

PVshelter and RoofSupport have been extensively tested and are wind certified. At the Peutz wind tunnel, the only independent consultancy in Europe with its own wind tunnel, both systems were exposed to maximum wind loads. Thanks to their robust design and correct ballast, a safe and stable installation is guaranteed, even under extreme weather conditions. The RoofSupport cable management system provides sufficient ballast and stability as standard. The 1 kg roof support ensures reliable anchoring at 1.20 metre intervals. The RoofBlockXL, weighing 3.5 kg, has been tested at 2 metre intervals.





Table of contents

 Batteryshester outdoor enclosure for home batteries	4
 PVshelter inverter mounting frame	8
Models	10
PVshelter Angled	12
 RoofSupport cable management	14
Models	18
 PVtube roof terminal	20
Models	19
 PVbox generator connection box	26
PValarm FireSwitch PVboxtool	28
 SolarCable cabling	36



OUTDOOR ENCLOSURE FOR HOME BATTERIES (ESS)



BATTERYSHELTER
BY CONDUCT

BATTERYSHELTER

The Batteryshelter is a safe, durable, and aesthetically pleasing solution for installing home batteries on the exterior of a house or building. The system allows for a sleek and tidy wall-mounted installation against a brick façade, with the metal enclosure providing protection against weather conditions, fire, explosion, smoke development, theft, and vandalism.

Because the DC infrastructure remains outside the building, the risk of fire and the danger of accidental contact are significantly reduced. This enhances the overall safety for occupants and facilitates acceptance by fire services and insurers. Additionally, controlled ventilation promotes stable operation, extends system lifespan, and supports the retention of the manufacturer's warranty.

WHY BATTERYSHELTER?

- Fire-safe design with free convection.
- Prevents cell propagation.
- Complies with safety standards for stationary Li-ion systems
- Keeps DC infrastructure outside the building.
- Equipped with safe earthing according to installation regulations.
- Weather-resistant and durable.
- Secured against theft and protected against contact.
- Universal design for various battery systems.
- Quick and simple installation.
- Facade installation.



More information

Stylishly integrated, easy to install

The Batteryshelter is made from durable Magnelis® steel as standard. Optionally, it can be finished with a wear-resistant powder coating in three commonly used RAL colours: RAL8004 (copper brown), RAL9016 (traffic white), and RAL7016 (anthracite grey). These colours are a perfect match for the most common brick-coloured façades used in residential and commercial construction, allowing the Batteryshelter to blend seamlessly into the façade. Installation is simple and practical: the Batteryshelter comes with clear instructions and a convenient mounting template. This ensures quick positioning at the correct height: the bottom edge is positioned 30 cm above ground level by default. Mounting must always be carried out against a non-combustible wall, such as brick or concrete, to ensure safe installation in accordance with fire safety regulations.

TECHNICAL SPECIFICATIONS

- **Mounting:** wall-mounted, minimum 300 mm above ground level.
- **Material:** Magnelis® steel.
- **Finish:** powder coating; ISO 12944 system (C3 standard).
- **Earthing:** DEHN K12 equipotential bonding rail (CE, DEHN and VDE certified).
- **Ventilation:** perforated front and side panels with horizontal slotted closure.
- **IP/IK rating:** designed for IP33 / IK10.
- **Compatibility:** designed for Huawei, SolaX, Dyness and other ESS manufacturers.
- **Temperature range:** 1425–1510°C (S250GD+ZM120).
- **Weight/load capacity:** Varies by model.
- **Anchoring:** Fischer SXRL 10x80 FUS construction plug with stainless steel A4 hex head.
- **Aesthetic finish:** available in steel and optionally in the building façade colour through powder coating, in accordance with ISO 12944 (C3).



Magnelis®-steel



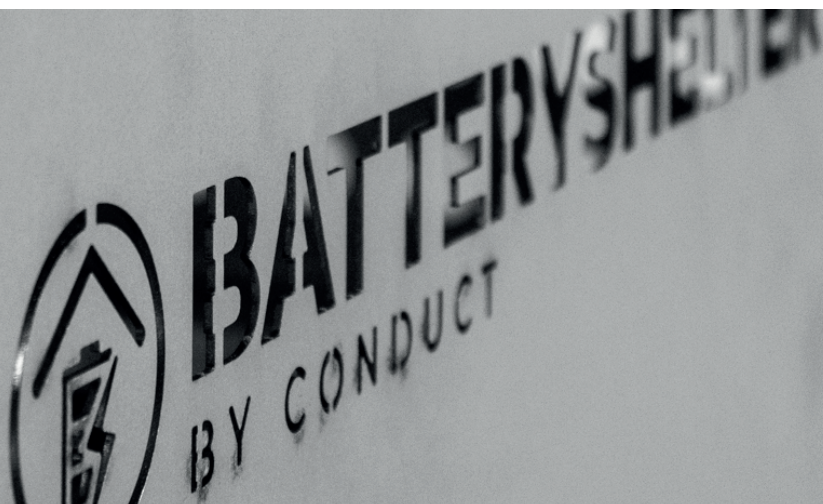
RAL 9016



RAL 7016



RAL 8004





BATTERY**SHELTER**



BS051125-3

Home battery up to 5 kWh

BS051125-2

Home battery up to 10 kWh

BS051125-1

Home battery up to 20 kWh





INVERTER MOUNTING FRAME

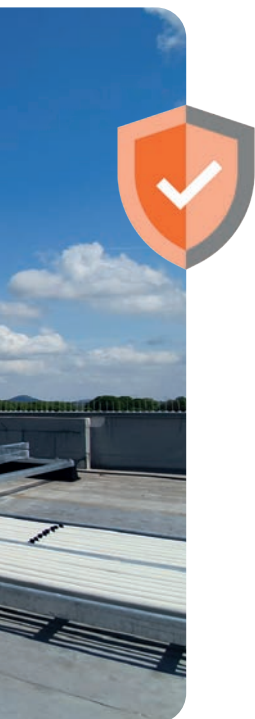


PVSHELTER
BY CONDUCT

PVSHELTER

When installing inverters, it is essential to avoid safety risks and follow the installation instructions carefully. Inverters must have adequate ventilation and be mounted on a non-combustible surface. Placing the inverters on the roof ensures that dangerous DC voltage is safely kept outside, enhancing safety within the building.

PVshelter helps meet the necessary safety requirements. PVshelter is a pre-assembled structure consisting of a base frame, a mounting frame, and a roof. PVshelter contributes to a safe and sustainable installation in multiple ways. The use of Magnelis® steel provides exceptional corrosion resistance, which not only extends the product's lifespan but also significantly reduces its CO₂ footprint.



WHY PVSHELTER?

- Prevents noise pollution.
- Space-saving.
- Improves inspection access.
- Easily combinable with RoofSupport cable management.
- Modular expansion options.
- Contributes to a reduced CO₂ footprint.
- Manufactured from Magnelis® steel.
- Wind certified.
- Supports fire-safe installation.
- Simplifies cable infrastructure installation.
- Rubber roof support absorbs vibrations.
- Provides maximum ventilation possibilities.



More information



INVERTER MOUNTING FRAME

PVshelter | PVshelter Angled

MODELS

All PVshelters are available partly assembled for improved transport options.

Back2Back

Type 150 mini

For inverters with a mounting width of up to 150 cm (2x 75 cm).

Type 200

For inverters with a mounting width of up to 200 cm (2x 100 cm).

Type 300HE

For High Energy inverters with a mounting width of up to 300 cm (2x 150 cm), equipped with additional brace profiles and a detachable roof.

Type 300HE – with intermediate roof set, height: 219 cm

For High Energy inverters with a mounting width of up to 300 cm (2x 150 cm), equipped with additional brace profiles and a detachable roof.



Wall-Floor

Type 100

Wall-mounted for inverters with a mounting width of up to 100 cm.

Type 150HE

Wall-mounted for High Energy inverters with a mounting width of up to 150 cm, equipped with additional brace profiles and a detachable roof.

Type 150HE – height: 219 cm

Wall-mounted for High Energy inverters with a mounting width of up to 150 cm, equipped with additional brace profiles and a detachable roof.



Wall

Type 100

Wall-mounted for inverters with a mounting width of up to 100 cm.

Type 150HE

Wall-mounted for High Energy inverters with a mounting width of up to 150 cm, equipped with additional brace profiles and a detachable roof.



Angled

Type 130

Freestanding for inverters, tilted at 17°, with a mounting width of up to 130 cm.

Type 65 PLUS

Extension for Type 130, for AC switch/PVbox, tilted at 17°, with a mounting width of up to 65 cm.



Angled Compact

Type 65

Freestanding for AC switch/PVbox, tilted at 17°, with a mounting width of up to 65 cm.



PVshelter PLATFORM

When installing solar panel systems on rooftops, it is essential that a structural engineer carefully calculates the roof load. After installation, the roof must not be subjected to a load that exceeds the permitted limits. If the allowable load is low, a wider and precisely designed mounting frame is required.

With the PVshelter Platform, Conduct offers a solution that minimizes roof load through exact technical calculation. This enables safe and responsible inverter placement, even on roofs with limited load-bearing capacity.

Need advice? Our team is happy to support you.



ACCESSORIES

EXTRA ROOF SUPPORT



Rubber
Item.no: PVS-DAKSTEUN

EXTRA CROSS RAIL



for PVshelter
Item.no: PVS-MONTAGERAIL

EXTRA CROSS RAIL



for PVshelter B2B
Item.no: PVS-MONTAGERAIL-B2B

WIRE TRAY BRACKET 60 MM



Item.no: PVS-BEUGEL60MM

WIRE TRAY BRACKET 100 MM



Item.no: PVS-BEUGEL100MM

EARTHING RAIL



Item.no: PVS-AARDRAIL

INTERMEDIATE ROOF SET* 200MM



Magnelis® steel
Item.no: PVS200319-TD200

INTERMEDIATE ROOF SET* 500MM



Magnelis® steel
Item.no: PVS200319-TD500

INTERMEDIATE ROOF SET* 600MM



Magnelis® steel
Item.no: PVS200319-TD600

FIRE PROTECTION PLATE



1700 x 1250 x 30 mm
Item.no: PVS.FPP.170125

**Some inverters require free space at the rear for proper heat dissipation. The standard Back2Back PVshelter does not provide sufficient space for this. With the intermediate roof set, two Wall-Floor shelters can be linked together to function as a freestanding unit with adequate ventilation space.*

Protects the inverter from weather conditions and is wind certified

PVshelter Angled is an innovative inverter frame specifically designed for horizontal placement of inverters. Its unique, hinged roof provides quick and easy access to the inverter, enabling efficient maintenance and inspections.

The thoughtful design is optimised for operation by just one person, saving both time and costs. Additionally, the low-profile construction offers a space-saving solution that fits perfectly on any type of roof. PVshelter Angled combines ease of use, efficiency, and durability in a single compact system.

Based on TNO guidelines, PVshelter Angled is wind certified.



WHY PVSHELTER ANGLED?

- Wind certified.
- Manufactured from Magnelis® steel.
- Less shading, higher yield.
- Hinged roof.
- Cost-effective.
- Ease through clear instructions.
- Complete solution.
- PVshelter Angled Plus & Compact.

The **PVshelter Angled Compact** is a versatile addition to the PVshelter Angled, ideal for mounting an AC switch or PVbox directly next to the inverter setup. Visit our website for more information.

The roof is height-adjustable based on the inverter manufacturer's recommendation:





PVSHELTER **ANGLED**





CABLE MANAGEMENT



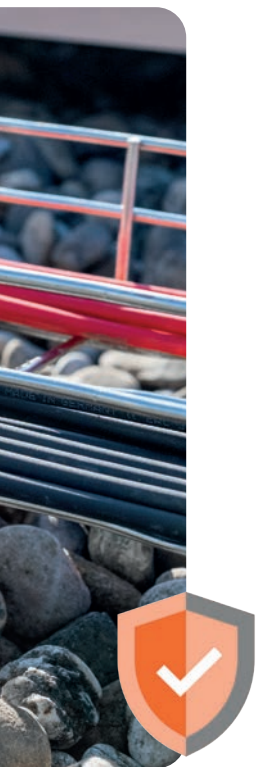
ROOFSUPPORT
BY CONDUCT

ROOFSUPPORT

RoofSupport offers a safe and sustainable solution for cable management in solar projects. With its innovative click connection, installation is quick, simple, and efficient.

The system, manufactured from high-quality steel with an EZ1000 surface treatment, combines excellent corrosion resistance with optimised durability.

RoofSupport ensures structured and secure cable routing between solar panels and inverters, fully compliant with regulations. It provides optimal protection against mechanical stress and weather conditions and is also storm-resistant. This cost-effective system is suitable for both residential and commercial projects. With RoofSupport, you choose an installation that meets the highest standards of safety, sustainability, and reliability.



WHY ROOFSUPPORT?

- Structured and secure installation of cable infrastructure.
- Complete kits available under a single item code.
- A proven product with more than 15 years of resistance to storm damage.
- Manufactured from steel with an EZ1000 surface treatment.
- Ultra-fast assembly/no tools required.
- Wind certified.
- Guaranteed potential equalisation up to 100 metres.
- Contributes to a reduced CO₂ footprint.



[More information](#)



RoofSupport wire mesh cable tray

RoofSupport wire mesh cable tray is available in widths ranging from 60 mm to 600 mm. The system is manufactured from steel with an EZ1000 surface treatment and contributes to a reduced CO₂ footprint thanks to its efficient production process. EZ1000 offers excellent corrosion resistance (Class 8) and effectively protects the steel against aggressive environmental influences, such as salt-laden air and industrial pollution.

RoofSupport perforated cable tray

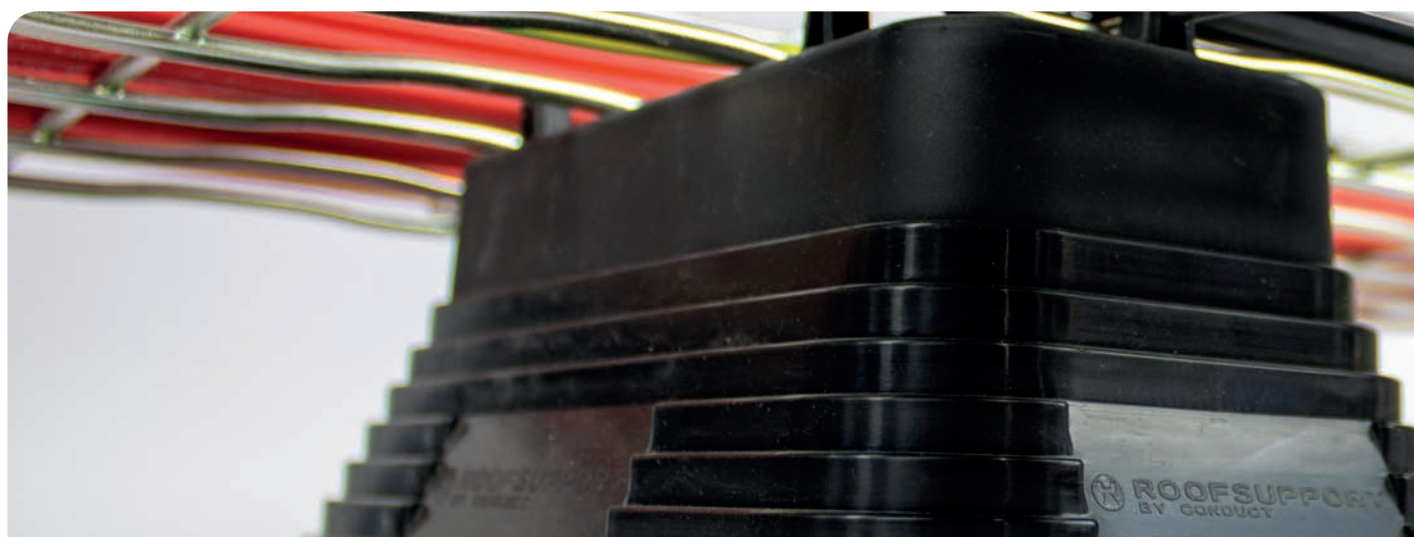
RoofSupport perforated cable tray provides a reliable solution for safe and efficient cable routing in solar installations. The system is manufactured from high-quality steel with a ZAM3K coating and offers excellent corrosion protection for applications in corrosivity categories C4 and C5. Thanks to its smart design, robust construction, and rounded edges, installation is quick, safe, and well-organized.

For a neat finish and additional protection, RoofSupport offers covers manufactured from steel with an EZ1000 surface treatment, available in widths ranging from 60 mm to 600 mm. For secure installation, we recommend the use of cover clamps. Cover clamps are mandatory for cover widths of 100 mm and above. For a reliable installation, we recommend using 4 cover clamps per cover.

Wind certified

Based on TNO guidelines, RoofSupport is wind certified. The 1 kg roof support, installed at a spacing of 1.20 metres and loaded with the maximum number of cables recommended by Conduct, provides sufficient ballast to prevent movement or uplift. The RoofBlockXL, weighing 3.5 kg, also proved capable of withstanding hurricane-force winds when installed at a spacing of 2 metres.

The achieved certifications underline the quality and reliability of RoofSupport systems installed throughout Europe. Conduct therefore provides installers and end users with the assurance that the supplied systems meet the required standards, even under the most severe storm conditions.



Complete sets

RoofSupport offers complete wire mesh cable tray sets in 60 mm and 100 mm widths, including RoofBlock roof supports. These sets are supplied as a 12-metre package in a single box under one article number. For smaller commercial or residential applications, RS HOME is available, consisting of 3 metres of wire mesh cable tray (35 x 30 mm) and 2 roof supports. Ideal for projects with up to 4 DC circuits.

RS RoofBlock (for wire mesh cable tray)

For the proper installation of wire mesh cable trays on a flat roof, the RoofBlock roof support is the ideal solution. The RS RoofBlock, weighing 1 kg, is used with wire mesh cable trays 60 mm, 100 mm, and 150 mm wide. In combination with the RoofSupport wire mesh cable tray and a maximum spacing of 1.2 metres between supports, these are wind certified as a set.



RS RoofBlock cable tray

For the proper installation of the RoofSupport cable tray on a flat roof, the RoofBlock roof support is the ideal solution. The roof support weighs just 1 kg and can be easily installed using the supplied screw. In combination with the RoofSupport Cable Tray and a maximum spacing of 1.2 metres between supports, it forms a wind-certified system.



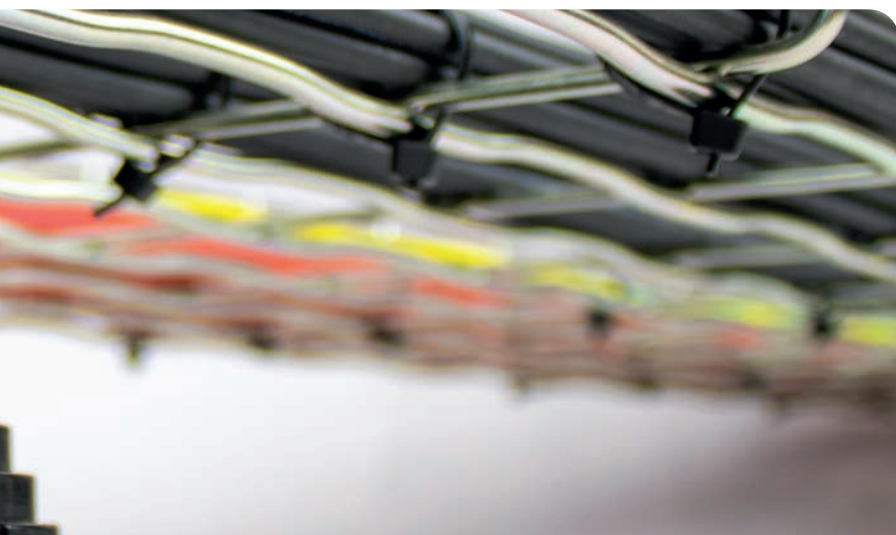
RS RoofBlockXL

The RS RoofBlockXL has been specially developed for projects with wider wire mesh cable trays. Weighing 3.5 kg, the RoofBlockXL is used for wire mesh cable trays 200 mm wide and above. In combination with the RoofSupport wire mesh cable tray and a maximum spacing of 2 metres between supports, this set is wind certified.



RS MountBlock

The RS MountBlock has been specifically developed for trapezoidal roof projects and wall mounting. With the ultra-fast installation of the RS MountBlock combined with the RoofSupport click system, mounting on a wall or sloped trapezoidal roof is completed quickly and to a high standard. Thanks to the soft felt layer, the RS MountBlock ensures an air- and watertight seal when installed on a steel trapezoidal roof.





CABLE MANAGEMENT

RoofSupport | FireWrap | Step-Over

ROOFSUPPORT

WIRE MESH CABLE TRAY



Type: Item no:

30 x 35 mm:	226113
35 x 100 mm:	226114
65 x 60 mm:	2/17354
65 x 100 mm:	2/17355
65 x 150 mm:	2/17356
65 x 200 mm:	2/17357
65 x 300 mm:	2/17358
65 x 400 mm:	2/17359
65 x 500 mm:	2/17361
65 x 600 mm:	2/17362

RS MOUNTBLOCK



1. RS roofblock (w.m. cable tray): RSC102011
2. RS roofblock XL: RSXL102011
3. RS mountblock: RSMB102011
4. RS roofblock (cable tray): RSK102011

PERFORATED CABLE TRAY



Type: Item no:

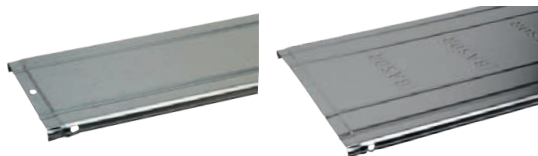
60 x 100 mm:	228213
60 x 150 mm:	228214
60 x 200 mm:	228215
60 x 300 mm:	228216
60 x 400 mm:	228204
60 x 500 mm:	228205
60 x 600 mm:	228206

FIREWRAP



Item no: FW4042

COVERS



COVER CLAMP



Tray 100 mm: 224848
Tray 150 - 600 mm: 224849

Type: Item no:

60 mm:	2/3614
100 mm:	226516
150 mm:	226517
200 mm:	226518
300 mm:	226519
400 mm:	226520
500 mm:	226521
600 mm:	226522

STEP-OVER 80X100 CM + 80X120 CM



Item no: RSSO80100

Item no: RSSO80120

ROOFSUPPORT HOME



Item no: RSH3035-3M

COMPLETE WIRE MESH CABLE TRAY SET 65X60 MM



Item no: RSC6560-12M

COMPLETE WIRE MESH CABLE TRAY SET 65X100 MM



Item no: RSC65100-12M



ROOF TERMINAL

PVtube | Accessories | PVtile

PVTUBE

PVTUBE



The solution for fire-safe and airtight cable routing.

PVtube 1 to 2 strings
PVtube YMK M20

Item no: PVT-1S
Item no: PVT-AC

PVTUBE ACCESSORIES



PVtube graphite board
Fire-retardant
Diameter: 150 mm

Item no: PVT-GP



PVtube cuff

Item no: PVTM35

PVTUBE ACCESSORIES



PVtube 152 mm drill bit
with hex shank
Diameter: 152 mm

Item no: PVTB152



**PVtube aluminium cuff for flat
roof installation**
Diameter: 500 mm

Item no: PVT-FLATROOF

PVTUBE ACCESSORIES



PVtube 35 mm drill bit
with hex shank
Diameter: 35 mm

Item no: PVTB35



**Adapter for 35 mm drill bit, from
SDS-PLUS to hex shank.**

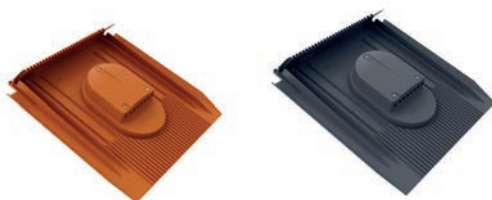
Item no: PVTB35ADAP



PVtube insulation cylinder
Diameter: 152 mm

Item no: PVTRI52

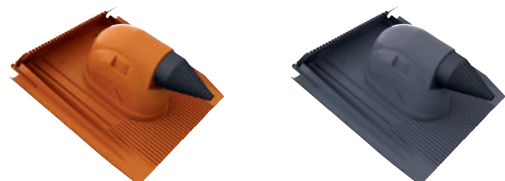
PVTILE DC



Use PVtile DC in combination with PVtube for an optimally airtight and durable passage for solar cables.

PVtile red Item no: PVTILE.RO
PVtile anthracite Item no: PVTILE.AN

PVTILE AC



Use PVtile AC in combination with PVtube for an optimally airtight and durable passage for solar cables.

PVtile red Item no: PVTILE.AC.RO
PVtile anthracite Item no: PVTILE.AC.AN

Is fire-safe and airtight routing of solar panel cables a challenge?

PVtube offers the solution.

- Contributes to achieving energy performance indicator NZEB.
- Prevents cable damage caused by mechanical stress.
- Installers can choose between drilling two 32 mm holes or one 152 mm hole, with optional insulation cylinders.
- Enhances fire safety with separate conduits according to international standards (e.g., IEC 62548).
- Prevents thermal bridging through double insulation.
- Suitable for both flat and pitched roofs and can be easily integrated into various roof structures.
- Easy to order: Available as a single basic set.



Request our price list via sales@conduct.nl for a complete overview of all our products.



PVTUBE





GROUNDING AND POTENTIAL EQUALISATION



SOLAR EARTHING
BY CONDUCT

DISSIPATE DANGEROUS CURRENT LEAKAGE

When safely installing a solar panel system, it is essential to distinguish between grounding and equalisation. Grounding ensures that hazardous touch voltages are safely discharged, which is crucial for the safety of the system and its users.

Grounding kits are applied in accordance with IEC60364 guidelines to connect PV equipment to the grounding system of the building or structure. These kits are available with UV-resistant cables in 6 mm² or 16 mm² variants, depending on the specific project requirements. They are supplied with various clamps and/or tinned copper cable lugs, enabling a flexible and reliable installation. This not only ensures compliance with safety standards but also enhances the durability of the system.



WHY EARTHING?

- Dissipate current leakage.
- Dissipate lightning currents.
- Keeps inverter working properly.

WHY EQUIPOTENTIAL BONDING?

- Eliminate voltage differences.
- Prevent high voltages dangerous to the touch.



More information



EARTHING AND EQUIPOTENTIAL BONDING

Equipotential bonding kits

EQUIPOTENTIAL BONDING KITS KIT SR1-AB



Available in:

Equalisation kit with 6 mm² cable
Length: 30 cm | 50 cm | 100 cm

Equalisation kit with 16 mm² cable
Length: 30 cm | 50 cm | 100 cm

EQUIPOTENTIAL BONDING KITS SR1-UNI



Available in:

Equalisation kit with 6 mm² cable
Length: 30 cm | 50 cm | 100 cm

Equalisation kit with 16 mm² cable
Length: 30 cm | 50 cm | 100 cm

EQUIPOTENTIAL BONDING KITS SR1-SR1



Available in:

Equalisation kit with 6 mm² cable
Length: 30 cm | 50 cm | 100 cm

Equalisation kit with 16 mm² cable
Length: 30 cm | 50 cm | 100 cm

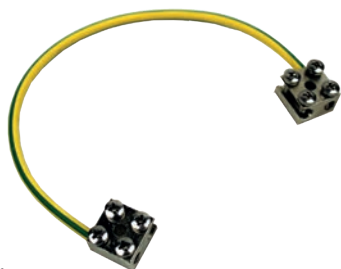
EQUIPOTENTIAL BONDING KITS AB-UNI



Available in:

Equalisation kit with 16 mm² cable
Length: 30 cm | 50 cm | 100 cm

EQUIPOTENTIAL BONDING KITS AB-AB



Available in:

Equalisation kit with 6 mm² cable
Length: 30 cm | 50 cm | 100 cm

Equalisation kit with 16 mm² cable
Length: 30 cm | 50 cm | 100 cm

GROUND RAIL



GROUND RAIL

Length: 22 cm

Item no: PVS-AARDRAIL

EARTH BAR



Earth block stainless steel

Available in:

Earth block 6 mm²
Item no: AB25/6 OS

Earth block 16 mm²
Item no: AB25/16 OS





GENERATOR CONNECTION BOX



PROTECTION AGAINST LIGHTNING AND OVERVOLTAGE

A direct or indirect lightning discharge can have devastating effects on a solar panel system. The demand for surge protection is rapidly increasing, as it is crucial to deliver a solar panel installation that meets the highest safety standards.

To prevent fire caused by lightning strikes, it is essential to install the correct type of surge protection. By choosing PVbox, which includes both Type 1 and Type 2 protection, the installation complies with various mandatory standards, such as IEC60364.

WHY PVBOX?

- Protects the solar panel system from direct and indirect lightning strikes.
- Complies with IEC60364.
- PVbox is lightning current tested.
- Optionally equipped with ImpulseCheck lightning monitoring.
- There is a PVbox for every project.



More information



LIGHTNING AND SURGE PROTECTION

PVbox | PValarm | FireSwitch | PVboxtool

PValarm

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



FireSwitch

Conduct offers the PVbox FireSwitch (firefighter switch) as the ideal solution for safely disconnecting the DC circuit. This creates a safe situation for firefighters by shutting down the hazardous DC voltage. With this firefighter 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 switched off. Adding surge protection provides the ultimate total solution.



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

The PVbox is supplied as standard with a Type 1+2 SPD per MPPT. Given the numerous options we offer through the addition of DC and/or AC load disconnect switches, as well as optional AC SPDs, a PVboxtool has been developed.

Easily select online which PVbox you need for your installation using the PVboxtool, and apply for it directly. Housed in an enclosure and equipped with Stäubli MC4 connectors for quick installation.

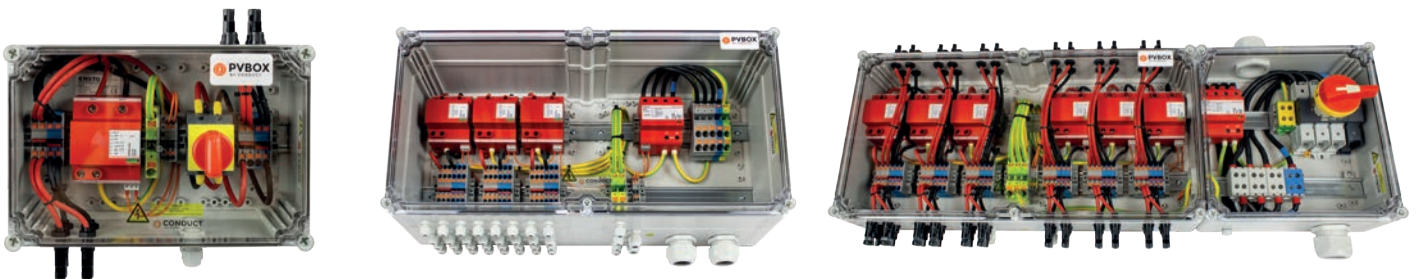
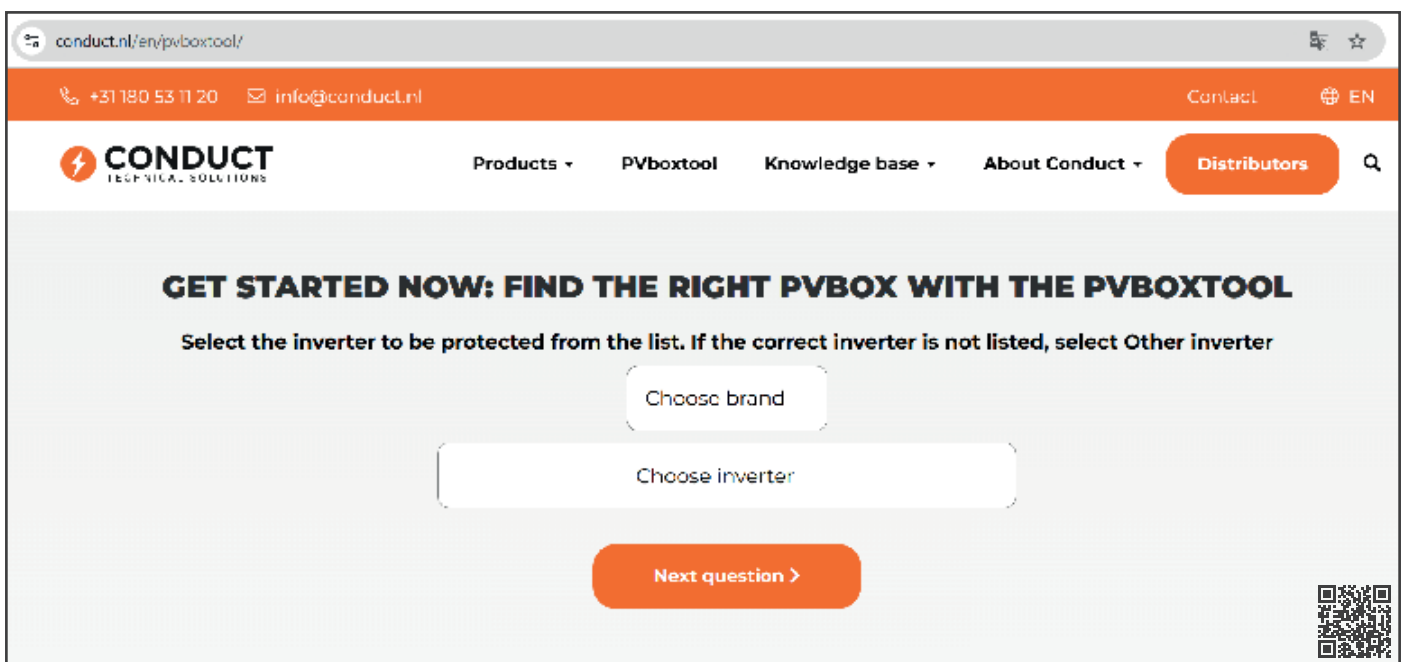
Scan the QR code to discover the PVboxtool.



PVboxtool

Why PVboxtool?

- **Complete:** Instantly evaluate relevant system and product requirements.
- **Compliant:** Selection based on normative aspects.
- **Flexible:** Integrated into relevant distributor websites.
- **Up-to-date:** The PVbox database always contains the most recent product information.
- **User-friendly:** Designed with a logical sequence of questions.



In collaboration with:





LIGHTNING AND SURGE PROTECTION

PVbox | PValarm | ImpulseCheck | PVbox DATA

Protect your solar panel system with PValarm

PV installations are a valuable investment for both individuals and businesses. To optimally protect this investment, it is essential to prioritise security. PValarm provides the ideal solution to safeguard your solar panel system against theft and damage. The risks of theft and damage to solar systems are increasing. With PValarm, you can easily secure your system against sabotage, such as cable cutting, inverter theft, and power outages.

PValarm can be integrated into the PVbox, offering protection for both the PVbox and the entire system. The system is delivered as a complete set (PVA01AS and PVAS01) and is easily expandable thanks to its modular design. With four potential-free alarm contacts, PValarm provides additional functionality, such as visual or acoustic signals and notifications to a building management system or alarm centre. Choose PValarm for reliable protection.

PVALARM



PValarm is a security system for solar panel installations that instantly detects theft and sabotage.

Item no: PVA01AS

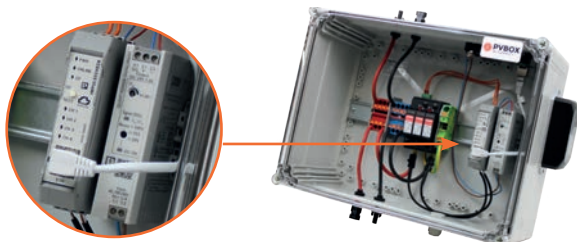
PVALARM SIGNAL BOX



PValarm signal box with visual and acoustic signalling.

Item no: PVAS01

PVBOX IMPULSECHECK



Alerts you via the internet on your smartphone in the event of a lightning strike in or near the solar panel installation.

Item no: 1045380 + 1045379 + 1088495

PVBOX DATA



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

Item no: DT.1.D1.1IN.1OUT.W



Request our price list via sales@conduct.nl for a complete overview of our products.



FIRE PREVENTION AND MATERIALS



PREVENTION IS BETTER THAN CURE

Fire can cause significant damage. Although the fire brigade often arrives in time to prevent complete destruction, dangerous DC current cables pose additional risks.

It is therefore essential that inverters, the infrastructure, and the potential equalisation system are easily accessible and clearly organised for periodic inspections. To quickly and safely disconnect the voltage on DC cables during emergencies, it is strongly recommended to install a firefighter switch that cuts off DC voltage directly at the panels. If such a switch is not present, the solar panel system must be made voltage-free in another way.



WHY FIRE PREVENTION?

- Switches off DC voltage at the solar array.
- Switches DC side due to AC voltage failure or by central
- manual control.
- Multiple emergency stops applicable.
- 1-5 string (per MPPT) versions.
- Option for extension with Type 1+2 SPDs.



More information



FIRE PREVENTION AND MATERIALS

PVbox FireSwitch

PVBOX FIRESWITCH



FireSwitch completely shuts down the DC system.

FireSwitch 1IN.1OUT
FireSwitch 2IN.2OUT
FireSwitch 3IN.3OUT
FireSwitch 4IN.4OUT
FireSwitch 5IN.5OUT

Item no: PVBOX.FS.1.MC4
Item no: PVBOX.FS.2.MC4
Item no: PVBOX.FS.3.MC4
Item no: PVBOX.FS.4.MC4
Item no: PVBOX.FS.5.MC4

FIRESWITCH REMOTE CONTROLE



Remote Control with push button for manual switching
Item no: PVBOX.FS.RRC.01

Remote Control with push button for manual switching and
AC connection for automatic switching
Item no: PVBOX.FS.DRC.01





Request our price list via sales@conduct.nl for a complete overview of all our products.



CONNECTION AND SWITCHING TECHNOLOGY



SOLAR CABLE
BY CONDUCT

CONNECTION ACCORDING TO IEC60364

In a fire-safe solar panel installation, solar cables must not be overlooked. There is a significant risk in using solar cables that overheat or are not resistant to all weather conditions.

Conduct SolarCable features a halogen-free outer sheath and is UV-resistant, making it suitable for outdoor use. Its AD8 water resistance ensures functionality in all weather conditions, with a temperature range of -40 to +90°C. Combined with a 25-year lifespan, you are guaranteed the perfect cable for a fire-safe solar panel installation.



WHY CONDUCT SOLARCABLE?

- UV-resistant: suitable for indoor and outdoor use.
- Meets latest PVsystem requirements.
- Water resistant (AD8) according to EN50525-2-21.
- Fire retardant according to EN60332-1-2.
- Impact strength (direct burial) according to UL854.
- Halogen-free outer casing.
- 25-year warranty.



[More information](#)



CONNECTION AND SWITCHING TECHNOLOGY

SolarCable | Connecting Cables | RS GelConnect

SOLAR CABLE



2.5 mm² | 4.0 mm² | 6.0 mm² | 10.0 mm²
Available on spools of 100M or 500M

EARTH CABLE GREEN/YELLOW

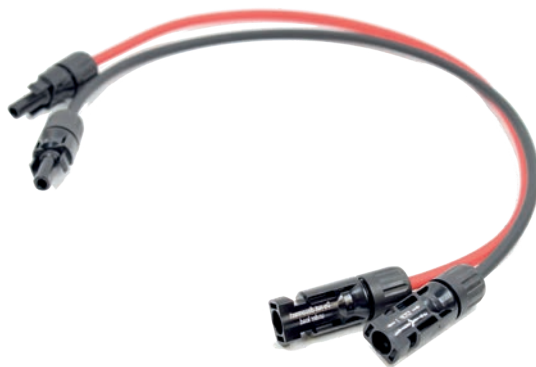


UV-resistant, tinned earthing cable

Available in:

4 mm ²	Item no.: PE.40GG100
6 mm ²	Item no.: PE.60GG100
16 mm ²	Item no.: PE.16GG100

CONNECTING CABLES



Available in various lengths, thicknesses, and with different connectors.

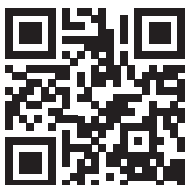
ROOFSUPPORT GELCONNECT



Using the RoofSupport GelConnect makes cable repair quick and easy while maintaining the waterproofing and longevity of the cables.

GelConnect for 6 mm² to 50 mm² solar cable
Item no: GC650





conduct.nl/en

CODE: ALG072026EN



Conduct Technical Solutions BV
Fennaweg 24, 2991 ZA Barendrecht, The Netherlands

+31 (0)180 531120 | info@conduct.nl | conduct.nl/en