



Sunny prospects!
HENSEL photovoltaic distributor's advantages for you

ENYSUN - cash in on it!

- **Photovoltaic systems** with easy, quick and safe installation
- Specially developed for **photovoltaic installations** indoor and outdoor applications
- A neat visual and technical solution
- **Complete system** with generator connection boxes and complete accessories
- Standardised to meet IEC 60 364-7-712 requirements

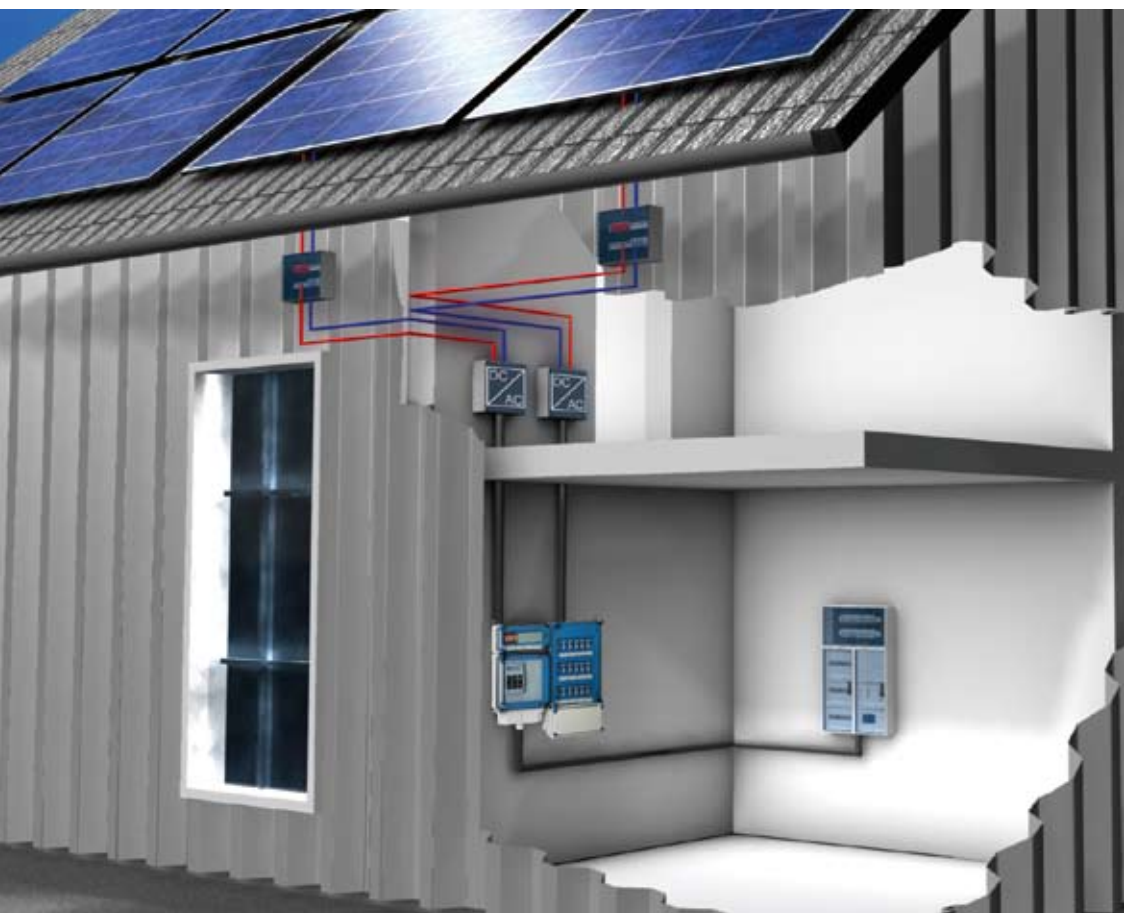


Photovoltaics

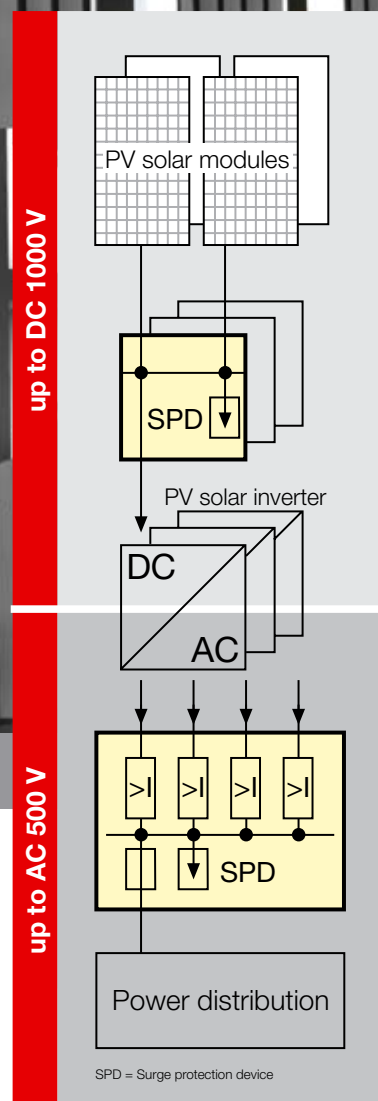
for quick and safe installation

ENYSUN is the new and professional photovoltaic distribution system from HENSEL and it can now help you reduce your design and installation costs substantially!

The **intelligent complete system** includes everything you need for **easy and quick installation**. Since all components are prefabricated according to your requirements, you can quickly carry out wiring on-site. In addition, ENYSUN makes sure you are always on the safe side as the system fulfils all IEC 60 364-7-712 requirements.



Safe product solutions!



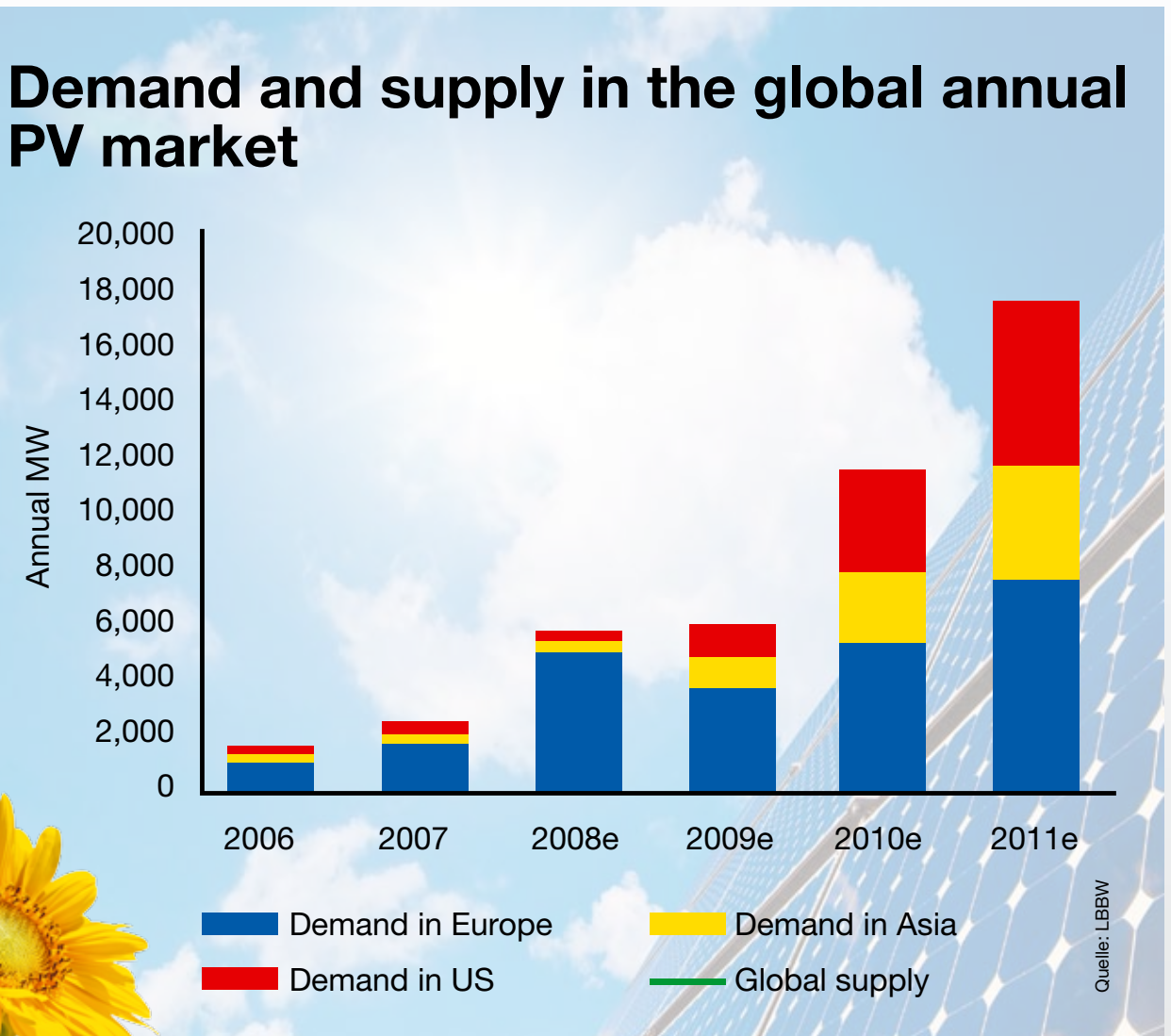
Cash in on the market now!

The solar business is booming!

The growth rate for photovoltaic systems has increased phenomenally over the last few years and the positive trend is likely to continue.

Meaning Electricians will have a lot of work in this area.

Therefore use this opportunity and profit from this lucrative growth market!






Prefabricated and tested

Practical product solutions

Our ENYSUN product solutions provide a number of advantages when installing photovoltaic systems. The distributors are prefabricated making them quick and easy to connect. The PV generator junction boxes are fully wired and equipped with surge protection device (SPD) and connection terminals. New PV inverter collectors are complete housing sets and can be customised for their environment.

Proven and tested Hensel quality

All ENYSUN distribution system products fulfill the IEC 60 439-1 standard.

The general fulfilment of this standard demonstrates Hensel ENYSUN product series' high quality. Using high quality materials means that you can always count on them functioning perfectly. ENYSUN distributors are totally insulated , impact resistant, dust proof and water-proof (degree of protection IP 65), temperature resistant, UV resistant and resistant to corrosion from rain, ice and snow.

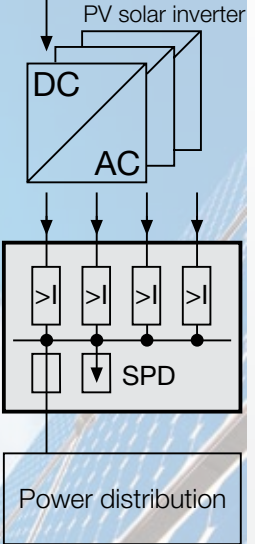
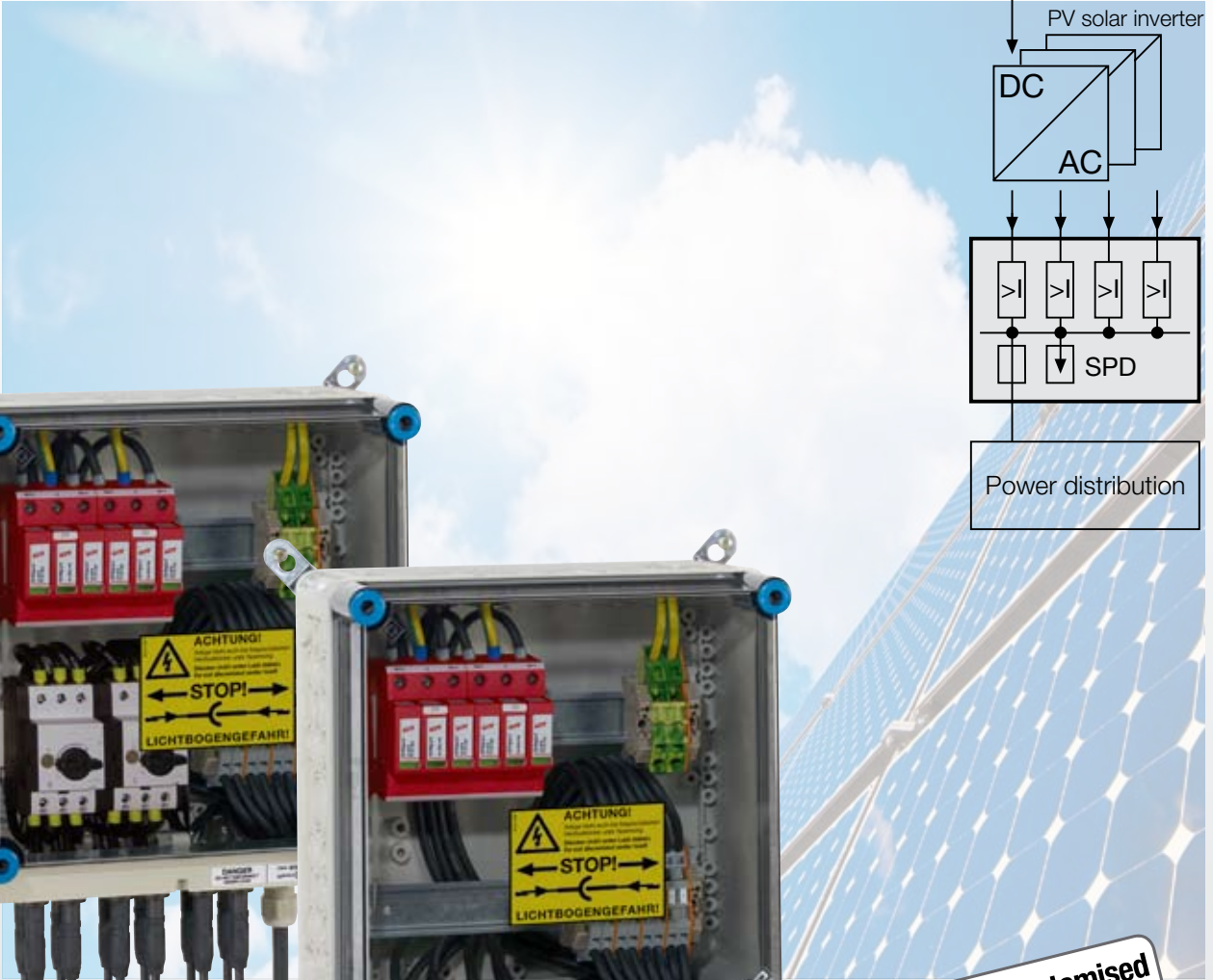
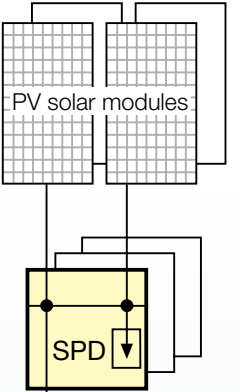


Practical product solutions



PV generator junction boxes

- Rated current: 30 A
- Rated insulation voltage: DC 1000 V ($U_{OC,STC}$)
- For solar inverters up to 9 kWp, 1~
- Protection class: II
- Degree of protection: IP 65
- Suitable for outdoor installation and harsh environment
- UV resistant
- Plug-in connections for PV Strings
- Plug-in connections for outgoing cables of solar inverter
- Lightning protection type II for PV plants
- Ready for connection
- With external brackets for box fixing



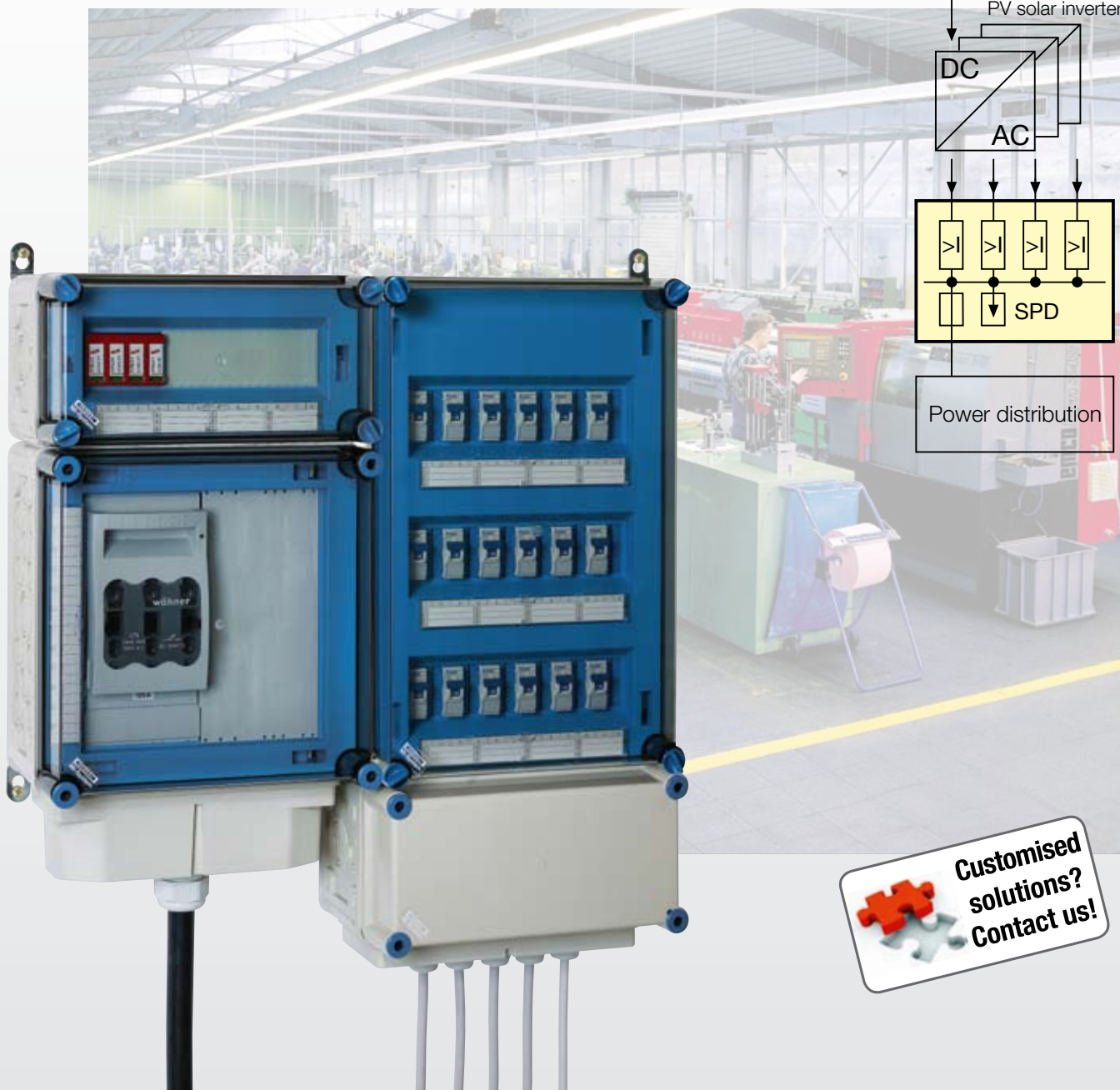
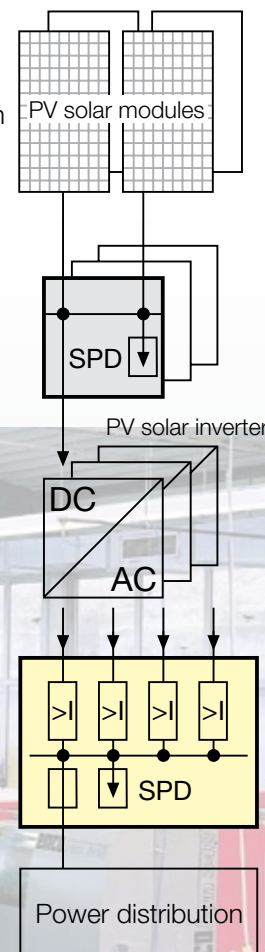
Customised solutions? Contact us!

Solutions for Photovoltaic plants



PV solar inverter collectors

- For solar inverters up to 7 kW, 1~
for solar inverters up to 21 kW, 3~
- Max. operating current 30 A
for each solar inverter, 1~, 3~
- Rated current: 100 A, 200 A
- Rated voltage: AC 500 V
- Protection class: II
- Degree of protection: IP 65
- Suitable for outdoor installation
and harsh environment
- Set as kit system
- At any time extendable



**Customised solutions?
Contact us!**

Special HENSEL products perfe

☐ Empty enclosures with total insulation according to IEC 60 439-1

- Made of polycarbonate with degree of protection from IP 65 to IP 66
- UV-, corrosion-, water-, dust- and impact proof.
- Self extinguishing, flame retardent



- Rated insulation voltage 1000 V
- Degree of protection: enycase **IP 66**, enyboard **IP 65**
- Material: high-quality PC (Polycarbonate)
- Burning behaviour: Glow wire test IEC 60 695-2-11 **960° C**, UL Subject 94: V-2
- Insulated enclosures, (Protection class II) ☐
- Impact strength: IK 08 (5 Joule)
- UV resistant: The material is examined and therefore qualified for the outdoor installation during direct sun radiation
- Toxic behaviour: halogen-free, silicone-free
- Corrosion-resistant: Resistant against demands caused by the weather such as rain, ice and snow
- Stainless steel cover screws



ENYCASE

Intended to be equipped with e.g. terminals
suitable for outdoor installation and harsh environment



ENYBOARD

Intended to be equipped with MCCB's, SPD's
according to DIN 43 880 suitable for indoor
installations - normal environment and/or outdoor
installation



ect for the use in PV installations

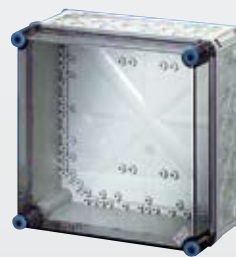


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ENYSTAR[®]

Intended to be equipped with
DC-devices up to 1000 V
according to IEC 60 364-7-712
suitable for outdoor installation



ENYMOD

Intended to be equipped with
DC-devices up to 1000 V
according to IEC 60 364-7-712
suitable for outdoor installation

Customised solutions

ENYSTAR®

Combinable enclosures with **open walls** for the assembly of distribution boards



Empty boxes

- 4 enclosure sizes: 270 x 180 mm, 270 x 360 mm, 270 x 540 mm and 540 x 360 mm
- to assemble fast and simply to larger combinations



Circuit breaker boxes



KWH meter boxes



Busbar boxes



HRC fuse boxes with fuse switch disconnectors



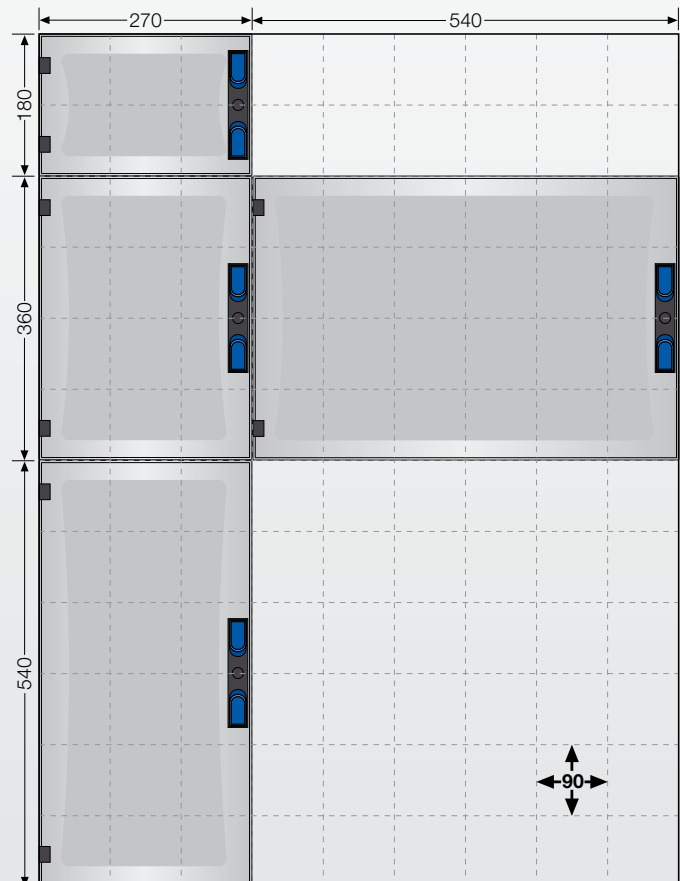
Isolator boxes with built-in switch disconnectors and MCCB circuit-breaker boxes

Enclosure walls can easily be closed via closing plate sets for use of single boxes



Combinable enclosure system with door

- **open walls,**
alternatively delivered with closing plates
- for the assembly of distribution boards up to 250 A
- degree of protection IP 65
- made of high-quality thermoplastic
- protection class II,
- type-tested system
in accordance with IEC 60 439-1 (TTA)



(Dimensions in mm)



ENYMOD

Mi Distribution boards

- modular enclosure system in grid of 150 mm
- 5 enclosure sizes: 150 x 300 mm, 300 x 300 mm, 450 x 300 mm, 600 x 300 mm and 600 x 600 mm
- for the assembly of type-tested low-voltage switchgear assemblies up to 630 A
- Enclosures can be used as well as single boxes.



Mi Empty box



Mi Circuit breaker box



Mi KWH meter box

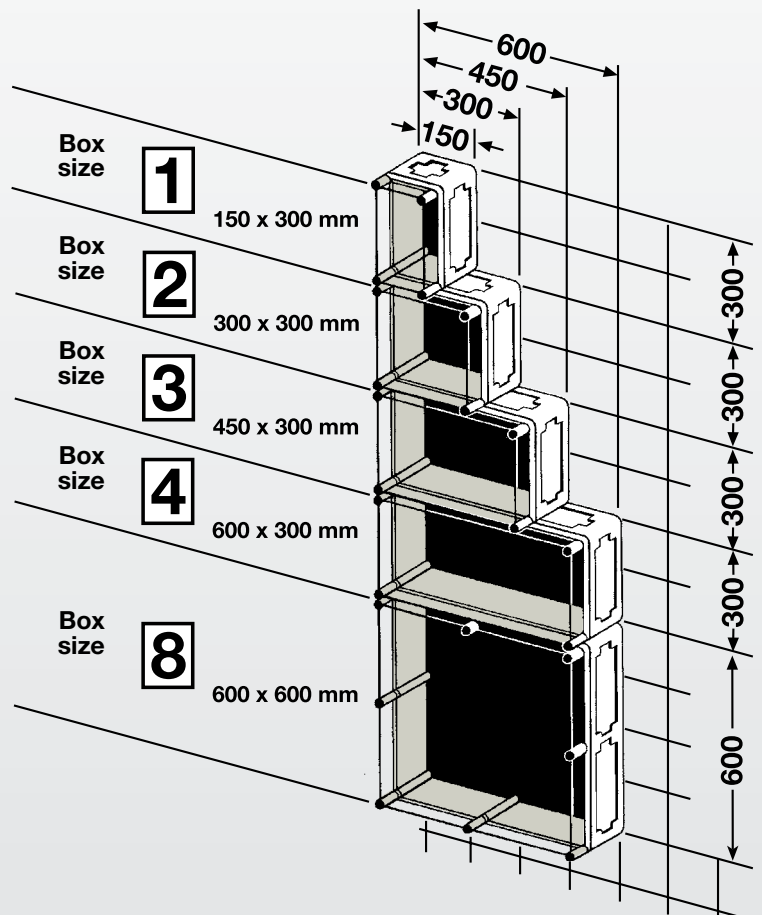


Mi isolator boxes, Mi MCCB circuit-breaker boxes with thermal and magnetic release up to 630 A

Mi Distribution boards



- combinable enclosure system
- for the assembly of low-voltage switchgear assemblies up to 630 A, IP 65
- made of high-quality thermoplastics
- protection class II,
- type-tested system (TTA) in accordance with IEC 60 439-1
- certified by ASTA as a TTA according to IEC 60 439-1





ENYSUN
Professional Photovoltaic Distributors

**Exclusive services,
hints and helpful suggestions
to stimulate and improve
your business.
Profit from our practical
knowledge and effectively
improve your competitiveness!**

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