



## S:FLEX CARPORT SINGLE/DOUBLE

Solar carports with segmental design for 1, 2 or up to 24 parking spaces

### EASY TO PLAN, QUICK TO BUILD, EXPANDED IN NO TIME

- Flexible system solutions for the construction of 1–24 parking spaces per row from 3 basic packages
- Complete sets – all components in one package
- Modularly adaptable for residential and commercial customers
- Effortless planning – system statics are included
- Short implementation times thanks to quick delivery from stock
- Fast assembly for carport + PV generator: 2 days / 4 people without crane or special tools – components have a maximum length of 6 m and weigh no more than 60 kg
- New PV product means additional business



## EVERYTHING INCLUDED

### SCOPE OF DELIVERY OF THE COMPLETE SETS

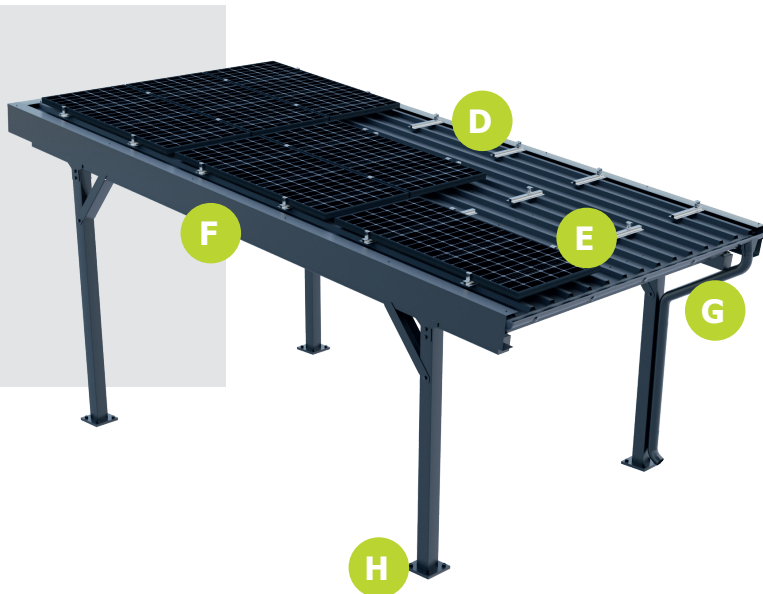


#### Basic structure made of steel profiles:

- A** Posts
- B** Rafters
- C** Purlins

#### Roof covering:

- D** Trapezoidal sheets  
Dims: 585 cm x 110 cm  
Thickness: 0.75 mm  
Colour: RAL 7016 anthracite grey  
Incl. anti-condensation fleece preventing dripping water



#### Solar fastening:

- E** S:FLEX trapezoidal sheet metal mounting systems, module clamps

#### Accessories:

- F** Roof edging
- G** Rain gutter and downpipe
- H** Fastening material including bolt anchor for connection to the foundation

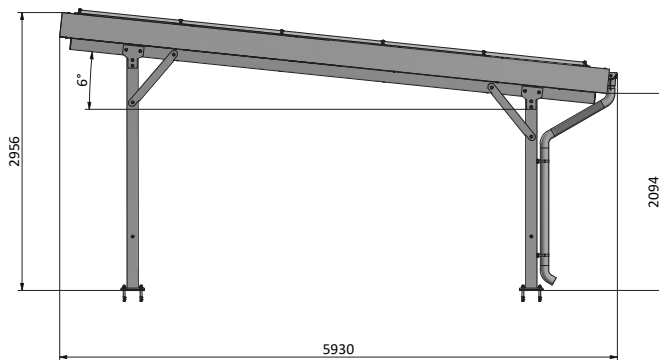
### ADVANTAGES FOR THE USER

- High-quality, low-maintenance and robust construction made of corrosion-resistant materials: aluminium, stainless steel and hot-dip galvanized powder-coated steel
- Quick and easy implementation – can also be expanded at a later date
- Uncomplicated and fast installation without a crane
- For residential customers: Can in most places be built without a building permit
- For commercial customers: Can fulfill the solar obligation for newly constructed parking lots of non-residential buildings
- Roof area / module field size – Single: 22 m<sup>2</sup> / 10 modules, approx. 3.8 kW  
Double: 35 m<sup>2</sup> / 15 modules, approx. 5.5 kW

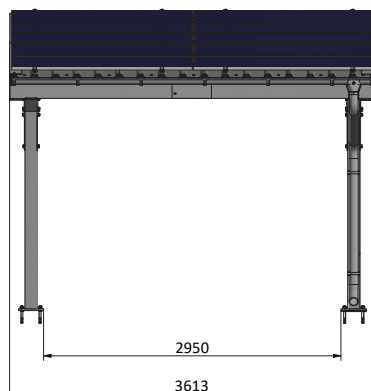
## TECHNICAL DATA

<b>Expandability</b>	Up to 12 freely combinable single/double segments for a maximum of 24 parking spaces using extension sets
<b>Foundation</b>	Anchored in the ground/on concrete or prefabricated foundations (foundation to be provided on site)
<b>Height</b>	Headroom: 2.09 m Max. height: 2.95 m
<b>Roof pitch</b>	6°
<b>Module orientation</b>	Landscape/portrait
<b>Module size</b>	All common sizes
<b>Roof area / Module field size <sup>1</sup></b>	<b>Single:</b> 22 m <sup>2</sup> / 10 modules, approx. 3.8 kW <b>Double:</b> 35 m <sup>2</sup> / 15 modules, approx. 5.5 kW
<b>Cable routing</b>	Variable inside the supports

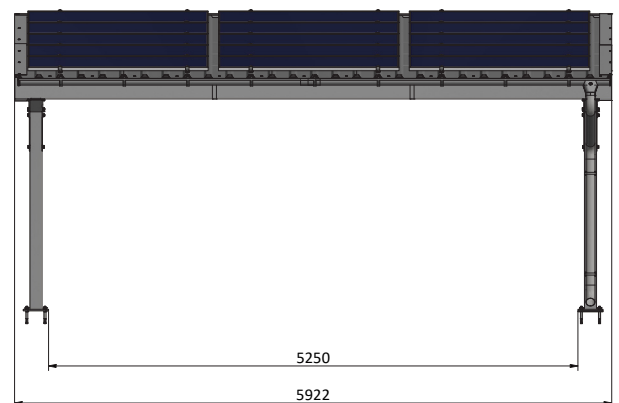
<sup>1</sup> PV modules of 1.06 m x 1.8 m / 375 Wp



Dimensions – side view



<b>Grounding</b>	Module clamps with integrated grounding plate available
<b>Snow load (p<sub>g</sub>)</b>	<b>Single:</b> 4.0 kN/m <sup>2</sup> <b>Double:</b> 0.85 kN/m <sup>2</sup>
<b>Wind load (q<sub>p</sub>)</b>	<b>Single:</b> 1.2 kN/m <sup>2</sup> <b>Double:</b> 0.66 kN/m <sup>2</sup>
<b>Materials</b>	<b>Carport:</b> hot-dip galvanized steel, powder coated <b>Solar fastening:</b> aluminium
<b>Small parts</b>	Stainless steel A2-70A
<b>Optional</b>	Plate (without holes) for attachment of charging station and/or inverter optionally available; Installation also possible with micro-inverters
<b>Colour</b>	Anthracite grey (RAL 7016)
<b>Warranty</b>	10 years on durability of materials



Carport Double dimensions – front view