

## Solar Parking • Carport OPTI 4

Product Sheet

*Design and optimization*



Carport OPTI-4 3/15 degrees inclination

### Bluetop OPTI Solar Carports...

...is a range of standardized carport designs. The innovative structures are the basis for SOLAR PARKING - long lasting low carbon of your parking area. The structures are being supplied as complete kits and solutions for all common PV-modules.

### Innovative product

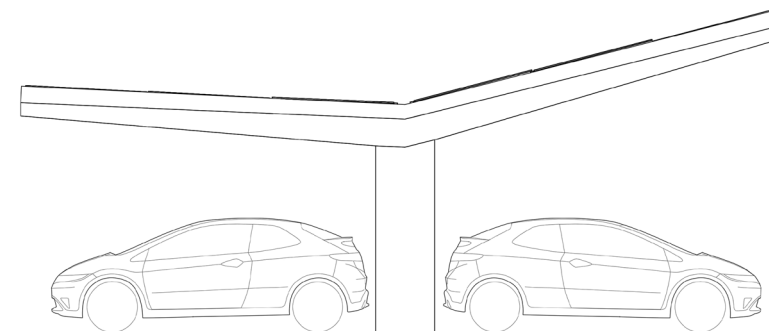
Innovative designs make solar parking affordable and attractive !

### Installation

Easy and fast installation with a light weight construction.

### Materials

Zinc-magnesium in accordance to DIN 55928-8  
PV-mounting system: stainless steel or aluminium.



- **Span up to 8,3 meters** - provides uninterrupted access
- **Hidden inverter** - an elegant, safe and accessible solution
- **Endless PV-roof** - optimized PV area and flexible placement of posts

# Solar Parking • Carport OPTI 4

A flexible structure that sets new international standards

Vertical mounting	Configuration				Measurements (mm)				
	Cars <sup>1</sup>	Modules <sup>2</sup>	Layout <sup>3</sup>	kWp	L1	L2	W	H1	H2
OPTI 4-SV	4	30	6x5	8.4	5000	4300	10135	2400	3985
OPTI 4-SV	4.8	36	6x6	10.1	6000	5300	10135	2400	3985
OPTI 4-SV	5.6	42	6x7	11.8	7000	6300	10135	2400	3985
OPTI 4-SV	6.4	48	6x8	13.5	8000	7300	10135	2400	3985

Horizontal mounting	Configuration				Measurements (mm)				
	Cars <sup>1</sup>	Modules <sup>2</sup>	Layout <sup>3</sup>	kWp	L1	L2	W	H1	H2
OPTI 4-SH	4	30	10x3	8.4	4985	4285	10135	2400	3985
OPTI 4-SH	5.2	40	10x4	11.2	6650	5950	10135	2400	3985
OPTI 4-SH	6.6	50	10x5	14	8315	7615	10135	2400	3985

Horizontal, Double glass	Configuration				Measurements (mm)				
	Cars <sup>1</sup>	Modules <sup>2</sup>	Layout <sup>3</sup>	kWp	L1	L2	W	H1	H2
OPTI 4-T	4	30	10x3	8.4	5235	4535	10135	2400	3985
OPTI 4-T	5.6	40	10x4	11.2	6960	6260	10135	2400	3985
OPTI 4-T	6.8	50	10x5	14	8690	7990	10135	2400	3985

<sup>1</sup> Number of cars is just a guide, based on 2.5m width per car

<sup>2</sup> Figures for solar are based on 60-cells, 280 Wp modules - size: 1680x1000 mm

<sup>3</sup> Endless horizontal mounting

## Structural standards

**Structural construction:** EN 1990:2007, 2. edition, based on EN 1990 A1:2006, DS/EN 1990 A1/AC:2010, EN 1990 DK NA:2013.

**Snow load:** EN 1991-1-3:2007, 2. edition, based on EN 1991-1-3/AC:2009, EN 1991-1-3 DK NA:2012.

**Wind load:** EN 1991-1-4 2007, 2. edition, based on EN 1991-1-4/A1:2010, EN 1991-1-4 DK NA:2010, EN 1991-1-4 DK NA:2010 addition 1:2010, DS/EN 1991-1-4/AC:2010.

**Accident load:** EN 1991-1-7:2007, 2. edition, based on EN 1991-1-7/AC:2010, EN 1991-1-7 DK NA:2013.

**Steel construction:** EN 1993-1-1 + AC:2007, 2. edition, based on EN 1993-1-1 AC/2009, EN 1993-1-1 DK NA:2013

**Pressed steel elements and sheets, additions:** EN 1993-1-3:2007, 2. edition, based on EN 1993-1-3/AC:2010, EN 1993-1-3 DK NA:2013

