

Solar Parking • Carport OPTI 3

Product Sheet

Design and optimization



Carport OPTI-3 - 10 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

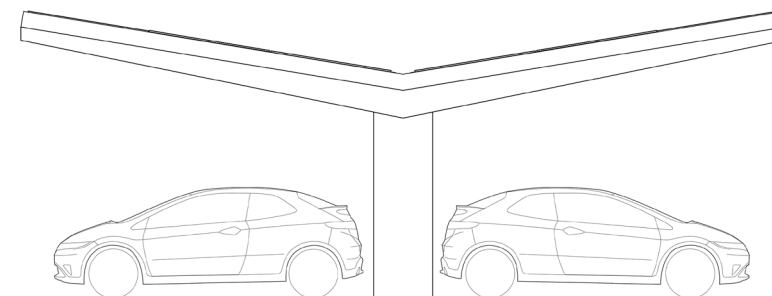
Innovative designs make solar parking affordable and attractive!

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

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A flexible structure that sets new international standards

Vertical mounting	Configuration				Measurements (mm)				
	Cars ¹	Modules ²	Layout ³	kWp	L1	L2	W	H1	H2
OPTI 3-SV50	4	30	6x5	8.4	5000	4300	10165	2400	3515
OPTI 3-SV60	4.8	36	6x6	10.1	6000	5300	10165	2400	3515
OPTI 3-SV70	5.6	42	6x7	11.8	7000	6300	10165	2400	3515
OPTI 3-SV80	6.4	48	6x8	13.5	8000	7300	10165	2400	3515

Horizontal mounting	Cars ¹	Modules ²	Layout ³	kWp	L1	L2	W	H1	H2
OPTI 3-SH50	4	30	10x3	8.4	4985	4285	10165	2400	3515
OPTI 3-SH65	5.2	40	10x4	11.2	6650	5950	10165	2400	3515
OPTI 3-SH83	6.6	50	10x5	14	8315	7615	10165	2400	3515

Horizontal, Double glass	Cars ¹	Modules ²	Layout ³	kWp	L1	L2	W	H1	H2
OPTI 3-T50	4	30	10x3	8.4	5235	4535	10165	2400	3515
OPTI 3-T70	5.6	40	10x4	11.2	6960	6260	10165	2400	3515
OPTI 3-T85	6.8	50	10x5	14	8690	7990	10165	2400	3515

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

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

³ 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

