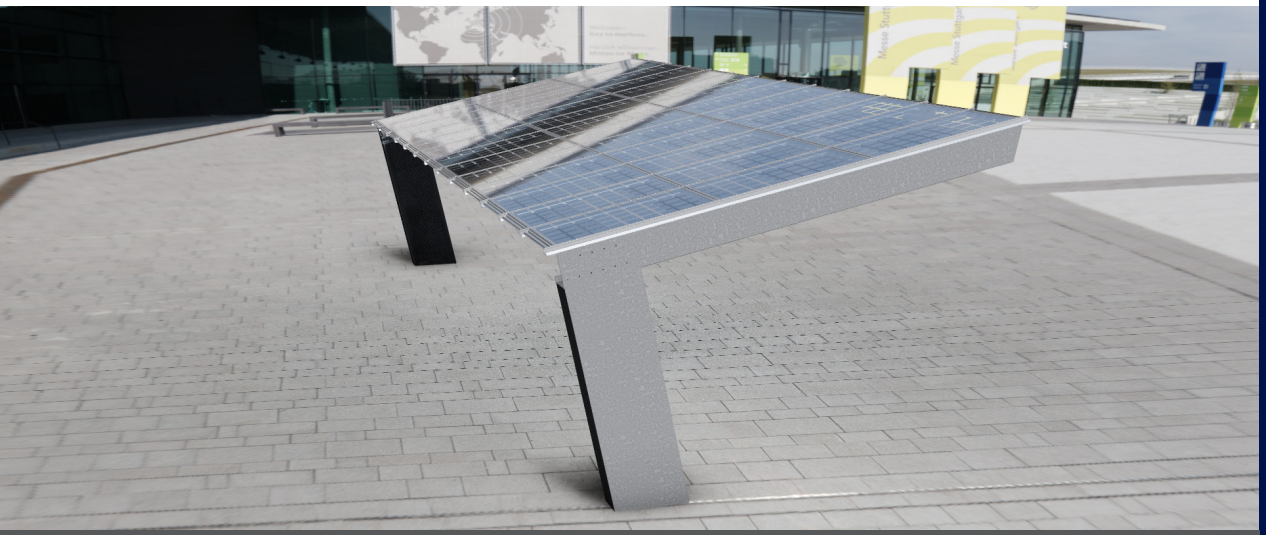
BLUETOP PRODUCTS 2017

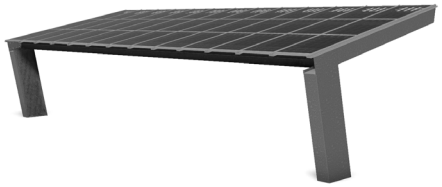
Solar Parking • Carport LS-1

Product Sheet

A harmonious combination of design and function



Carport LS-1 - 10 degrees inclination



- **Long span up to 15 meters** - provides uninterrupted access
- **Hidden foundation** - no concrete bollards required
- **Kits** for double glass or standard PV modules
- **Hidden inverter** – an elegant, safe and accessible solution
- **Hidden drainage** – downpipes are incorporated into support columns

Bluetop Long Span Solar Carports...

...are 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 supplied as complete kits that can be used for any type of solar PV module.

Innovative product

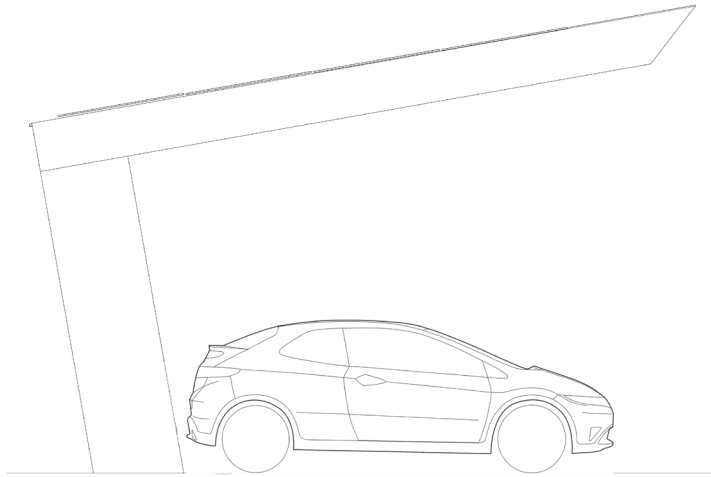
Newly patented manufacturing techniques combined with innovative design enables affordable and attractive solar parking solutions.

Installation

Installation of the roof structure and solar modules at ground level ensures a fast and safe installation to achieve further cost reductions.

Materials

Posts, side rafters, sheets: hot galvanized according to DIN EN ISO-1461
Roof-profiles: zinc-magnesium in accordance to DIN 55928-8
PV-mounting system: stainless steel or aluminium.



V.2 - 06.17

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Solar Parking • Carport LS-1

Product Sheet

A structure that sets new international standards

BLUETOP
solar parking

	Configuration				Measurements (mm)				
Horizontal mounting	Cars[1]	Modules[2]	Layout	kWp	L1	L2	W	H1	H2
LS1-SH70	2.8	20	5x4	5.6	6930	6330	5130	2700	3550
LS1-SH85	3.4	25	5x5	7	8620	8020	5130	2700	3550
LS1-SH105	4.2	30	5x6	8.4	10310	9710	5130	2700	3550
LS1-SH120	4.8	35	5x7	9.8	12000	11400	5130	2700	3550
LS1-SH125	5	35	5x7	9.8	12500	11900	5130	2700	3550
LS1-SH135	5.4	40	5x8	11.2	13690	13090	5130	2700	3550
LS1-SH155	6.2	45	5x9	12.6	15380	14780	5130	2700	3550

Vertical transparent mounting	Cars[1]	Modules[2]	Layout	kWp	L1	L2	W	H1	H2
LS1-F75	3	21	3x7	5.9	7564	6964	5130	2700	3550
LS1-F85	3.4	24	3x8	6.7	8578	7978	5130	2700	3550
LS1-F95	3.8	27	3x9	7.6	9592	8992	5130	2700	3550
LS1-F105	4.2	30	3x10	8.4	10606	10006	5130	2700	3550
LS1-F115	4.6	33	3x11	9.2	11620	11020	5130	2700	3550
LS1-F125	5	36	3x12	10.1	12634	12034	5130	2700	3550
LS1-F135	5.4	39	3x13	10.9	13648	13048	5130	2700	3550
LS1-F145	5.8	42	3x14	11.8	14662	14062	5130	2700	3550

[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

Structural Standards

Standard structural conditions: Weight of solar panels and mounting system: Gk= 0,15 kN/m2: Snow: Sk = 0,8 kN/m2 / Wind: qmax,k = 0,64 kN/m2.

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

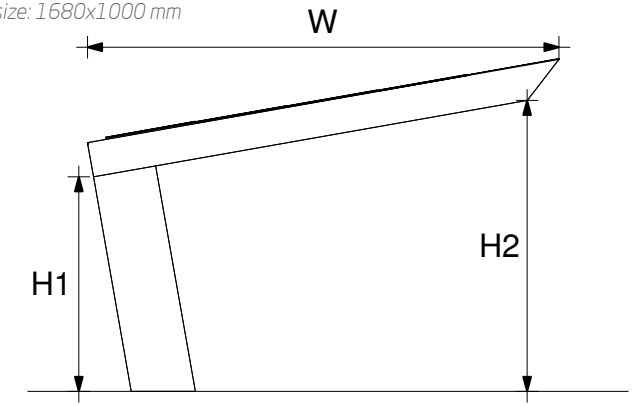
Snow load: EN 1991-1-3:2007, 2. edition, based on EN 1991-1-3/AC:2009, EN 1991-1-3 DK NA:2012.

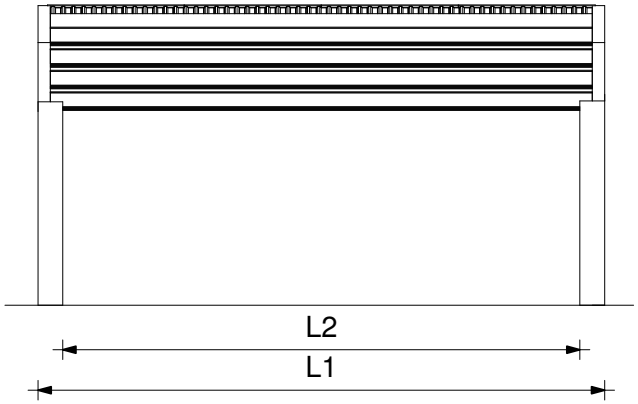
Wind load: EN 1991-1-4 2007, 2. edition, based on EN 1991-1-4/A1:2010, EN 1991-1-4 DK NA:2010, EN 1991-1-4 DK NA:2010 addition 1:2010, DS/EN 1991-1-4/AC:2010.

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





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