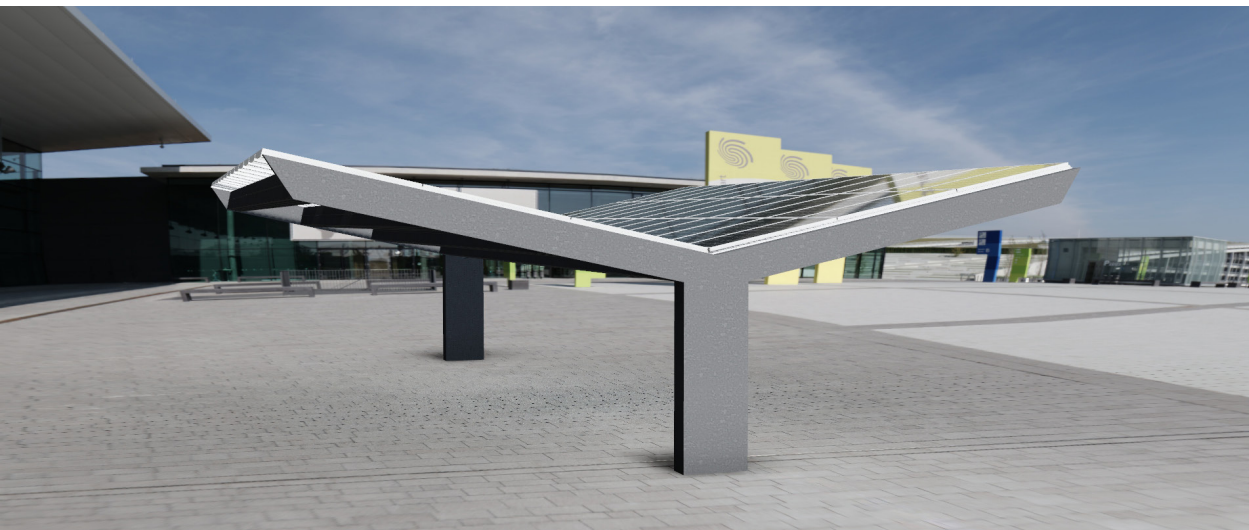


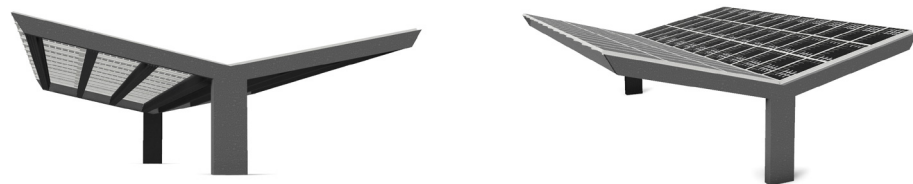
## Solar Parking • Carport LS-3

Product Sheet

*A double structure for east-west orientations*



**Carport LS-3** - 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.

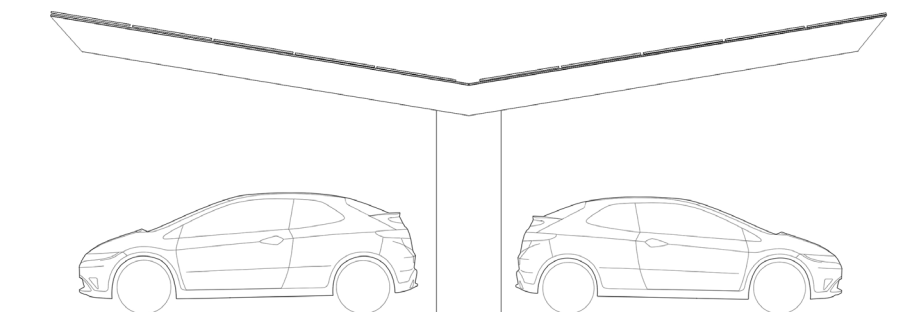
### Installation

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.



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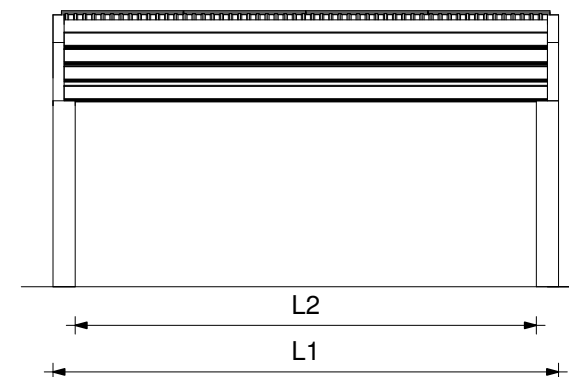
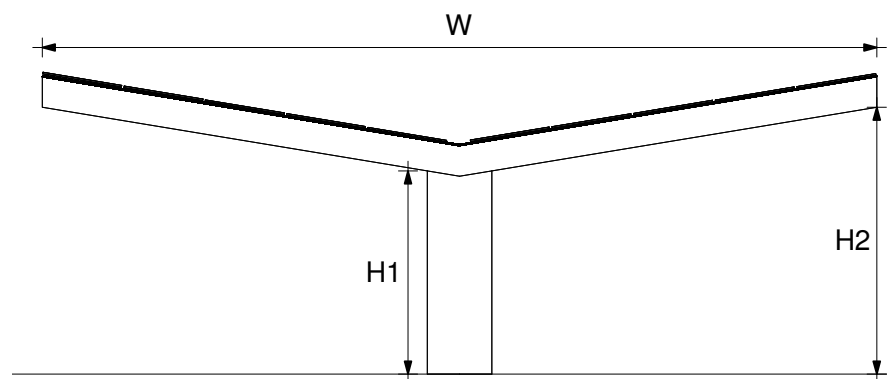
Horizontal mounting	Configuration				Measurements (mm)				
	Cars <sup>1</sup>	Modules <sup>2</sup>	Layout	kWp	L1	L2	W	H1	H2
LS3-SH70	5.6	40	10x4	11.2	6930	6330	10350	2520	3310
LS3-SH85	6.8	50	10x5	14	8620	8020	10350	2520	3310
LS3-SH105	8.4	60	10x6	16.8	10310	9710	10350	2520	3310
LS3-SH120	9.6	70	10x7	19.6	12000	11400	10350	2520	3310
LS3-SH125	10	70	10x7	19.6	12500	11900	10350	2520	3310
LS3-SH135	10.8	80	10x8	22.4	13690	13090	10350	2520	3310
LS3-SH155	12.4	90	10x9	25.2	15380	14780	10350	2520	3310

Vertical transparent mounting	Cars <sup>1</sup>	Modules <sup>2</sup>	Layout	kWp	L1	L2	W	H1	H2
LS3-F75	6	42	6x7	11.8	7564	6964	10350	2520	3310
LS3-F85	6.8	48	6x8	13.4	8578	7978	10350	2520	3310
LS3-F95	7.6	54	6x9	15.1	9592	8992	10350	2520	3310
LS3-F105	8.4	60	6x10	16.8	10606	10006	10350	2520	3310
LS3-F115	9.2	66	6x11	18.5	11620	11020	10350	2520	3310
LS3-F125	10	72	6x12	20.2	12634	12034	10350	2520	3310
LS3-F135	10.8	78	6x13	21.8	13648	13048	10350	2520	3310
LS3-F145	11.6	84	6x14	23.5	14662	14062	10350	2520	3310

<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



## Structural Standards

**Standard structural conditions:** Weight of solar panels and mounting system:  $G_k = 0,15 \text{ kN/m}^2$ ; Snow:  $S_k = 0,8 \text{ kN/m}^2$  / Wind:  $q_{max,k} = 0,64 \text{ kN/m}^2$ .

**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