

Solar Parking • Carport LS-4

Product Sheet

A double structure for north-south orientations



Carport LS-4 - 3/15 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.

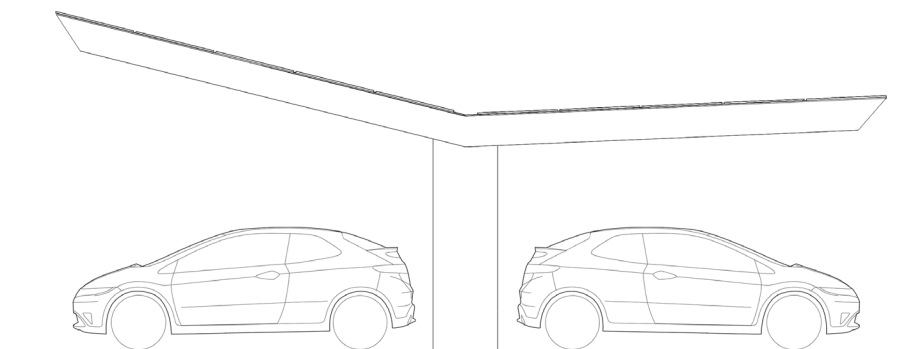
Installation

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.



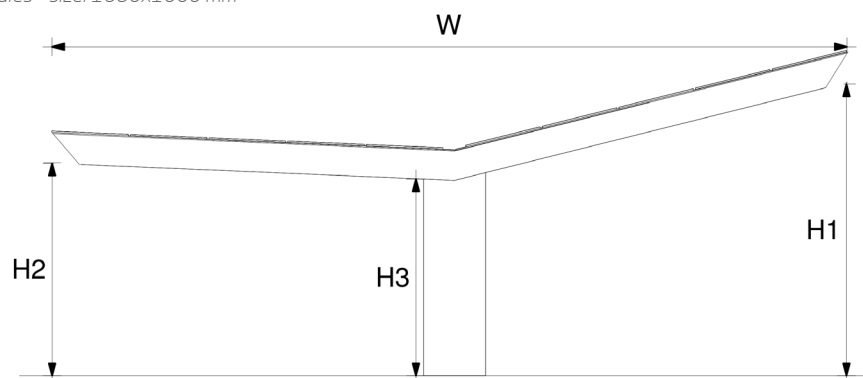
V.2 - 06.17

Horizontal mounting	Configuration*				Measurements (mm)				
	Cars*	Modules	Layout	kWp	L1	L2	W	H1	H2
LS4-SH70	5.6	40	10x4	11.2	6930	6330	10410	3815	2740
LS4-SH85	6.8	50	10x5	14	8620	8020	10410	3815	2740
LS4-SH105	8.4	60	10x6	16.8	10310	9710	10410	3815	2740
LS4-SH120	9.6	70	10x7	19.6	12000	11400	10410	3815	2740
LS4-SH125	10	70	10x7	19.6	12500	11900	10410	3815	2740
LS4-SH135	10.8	80	10x8	22.4	13690	13090	10410	3815	2740
LS4-SH155	12.4	90	10x9	25.2	15380	14780	10410	3815	2740

Vertical transparent mounting	Cars*	Modules	Layout	kWp	L1	L2	W	H1	H2
LS4-F75	6	42	6x7	11.8	7564	6964	10410	3815	2740
LS4-F85	6.8	48	6x8	13.4	8578	7978	10410	3815	2740
LS4-F95	7.6	54	6x9	15.1	9592	8992	10410	3815	2740
LS4-F105	8.4	60	6x10	16.8	10606	10006	10410	3815	2740
LS4-F115	9.2	66	6x11	18.5	11620	11020	10410	3815	2740
LS4-F125	10	72	6x12	20.2	12634	12034	10410	3815	2740
LS4-F135	10.8	78	6x13	21.8	13648	13048	10410	3815	2740
LS4-F145	11.6	84	6x14	23.5	14662	14062	10410	3815	2740

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: $G_k = 0,15 \text{ kN/m}^2$; 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

