Product Sheet

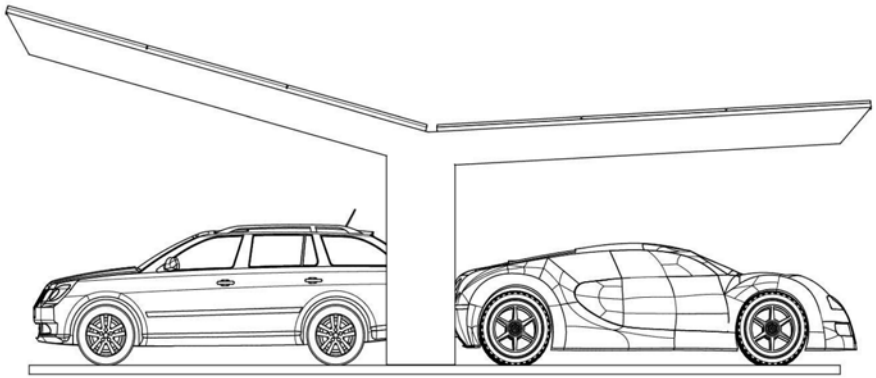
Solar Parking - Carport LS-4

A double structure for south-north orientation

ePort
solar parking

Carport LS-4 - 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**



ePort Long Span Solar Carports…

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

Innovative product

New patented manufacturing techniques combined with innovative designs makes solar parking affordable and attractive !

Installation

The roof structures including the PV-panels are assembled on ground level to optimize security and costs.

Materials

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

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Functionality and outstanding design

ePort
solar parking

	Configuration*				Measurements (mm)				
Horizontal mounting	Cars*	Modules	Layout	kWp	L1	L2	W	H1	H2
LS4-SH70	5.6	40	10x4	10.4	6930	6330	10410	3815	2740
LS4-SH85	6.8	50	10x5	13	8620	8020	10410	3815	2740
LS4-SH105	8.4	60	10x6	15.6	10310	9710	10410	3815	2740
LS4-SH120	9.6	70	10x7	18.2	12000	1140	10410	3815	2740
LS4-SH125	10	70	10x7	18.2	12500	11900	10410	3815	2740
LS4-SH135	10.8	80	10x8	20.8	13690	13090	10410	3815	2740
LS4-SH155	12.4	90	10x9	23.4	15380	14780	10410	3815	2740

Vertical mounting	Cars*	Modules	Layout	kWp	L1	L2	W	H1	H2
LS4-S75	6	42	6x7	11	7564	6964	10410	3815	2740
LS4-S85	6.8	48	6x8	12.4	8578	7978	10410	3815	2740
LS4-S95	7.6	54	6x9	14	9592	8992	10410	3815	2740
LS4-S105	8.4	60	6x10	15.6	10606	10006	10410	3815	2740
LS4-S115	9.2	66	6x11	17.2	11620	11020	10410	3815	2740
LS4-S125	10	72	6x12	18.8	12634	12034	10410	3815	2740
LS4-S135	10.8	78	6x13	20.2	13648	13048	10410	3815	2740
LS4-S145	11.6	84	6x14	21.8	14662	14062	10410	3815	2740

Vertical transparent mounting	Cars*	Modules	Layout	kWp	L1	L2	W	H1	H2
LS4-F75	6	42	6x7	11	7564	6964	10410	3815	2740
LS4-F85	6.8	48	6x8	12.4	8578	7978	10410	3815	2740
LS4-F95	7.6	54	6x9	14	9592	8992	10410	3815	2740
LS4-F105	8.4	60	6x10	15.6	10606	10006	10410	3815	2740
LS4-F115	9.2	66	6x11	17.2	11620	11020	10410	3815	2740
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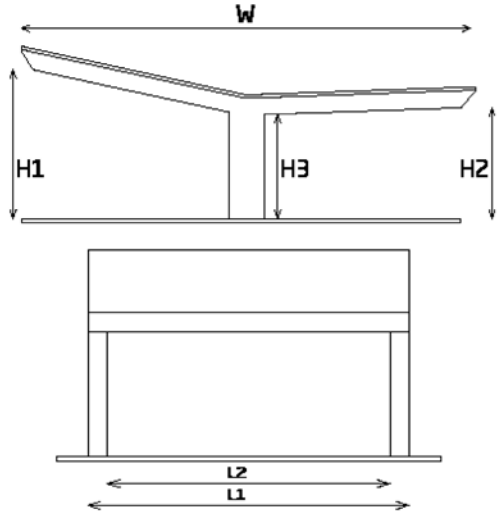
LS4-F145	11.6	84	6x14	21.8	14662	14062	10410	3815	2740

* Figures for solar are based on 60-cells, 260 Wp modules. Maximum size: 168x100 cm

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



Structural Standards

Standard structural conditions: Weight 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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