

Solar Carport

Roofing system



Fig. shows double solar carport including 15 solar modules

The **solar carport system** consists of a robust, corrosion-resistant aluminum construction in silver and has been specially developed for the installation of photovoltaic modules. The modular frame structure allows flexible adaptation to different parking space sizes and layouts. Thanks to its durable materials, the system is virtually maintenance-free and ideal for long-term outdoor use. The carport not only provides protection for vehicles, but also serves as an efficient energy generation area – ideal for sustainable e-mobility solutions and combined charging infrastructure.

Solar Carport	
Type	Single Multiple
Carport material	High-strength aluminum alloy
Roof material	Polycarbonate
Surface treatment	Anodized
Roof color	Gray
Roof shape	Straight
Roof pitch	5°
Number of supports	4x
Wind load	60m/s
Snow load	1,4Kn/m ²
Service life	25 years
Other	Waterproof structure
Solar Module*	
Solar Panel	395W - 420W
Material	High-efficiency monocrystalline silicon
Module efficiency	21,5%
Opt. operating voltage (Vmp)	30,6V
Opt. operating current (Imp)	12,91A
Open circuit voltage (Voc)	36,6V
Short circuit current (Isc)	13,77A
LTO battery	10Ah/144Wh
Temperature	-40°C - 85°C
Dimensions (LxWxH)	1722 x 1134 x 30 mm
Weight	21,3 kg
Degradation/performance decline	less than 2% after 1 year, thereafter no more than 0.55%

*Specifications for a single solar module

BRAUN Lighting Solutions e. K. is part of the export initiative "Energy Efficiency - Made in Germany" initiated by the Federal Ministry of Economics and Technology. Due to the complex combination possibilities of different power supplies and LED modules, the typical values specified for the technical LED parameters and performance parameters are purely statistical values that do not necessarily correspond to the actual technical parameters of each individual product, which may deviate from the typical value. The information and illustrations contained in this document do not form part of an offer or contract. Product parameters are subject to change due to technical innovations and will be made without separate notification. Manufactured in accordance with DIN EN, VDE regulations, CE.

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Variants



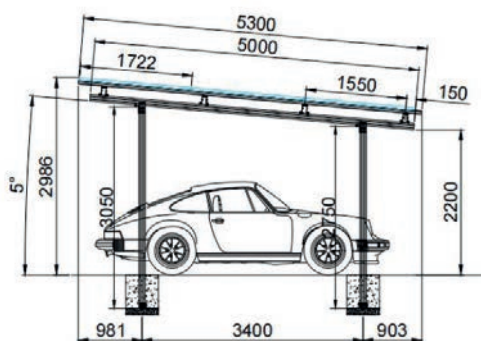
Carport: for 1 car



Carport: for 2 cars



Carport: for >3 cars



Dimensions	Length	Width	Height
Carport: for 1 car	5300mm	3000mm	2986mm
Carport: for 2 cars	5300mm	6000mm	2986mm
Carport: for >3 cars	5300mm	>9000mm	2986mm

Zubehör



Wallbox



Storage



Inverter

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