

SOLON BusPort.

Complete photovoltaic system for large bus parking areas in urban environments.



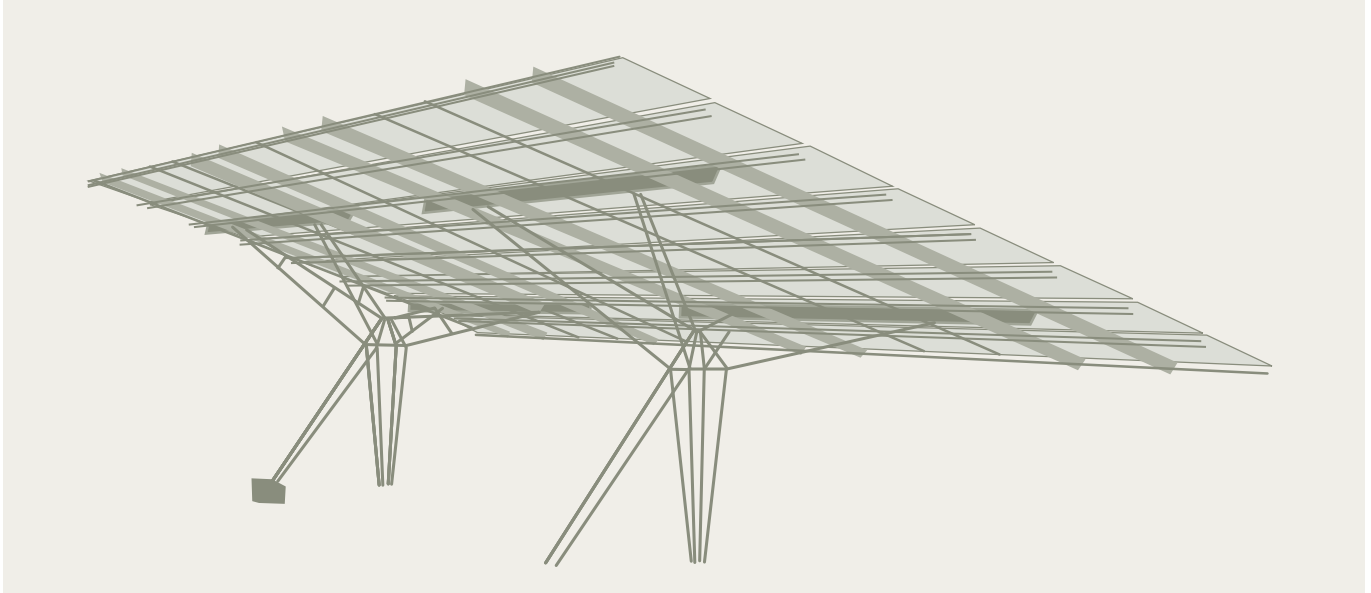
- › Maximum space for easy parking due to supporting frame with few pillars
- › Sun shade and all-weather protection
- › Fuel savings through less air conditioning in buses
- › Cost-effective, easy on-site assembly and low maintenance costs
- › Attractive feed-in tariff for rooftop systems

SOLON BusPort

The SOLON BusPort is an innovative new development in the construction of PV power plants on bus parking areas. The product was specially developed to meet these demands and is

based on our long-standing experience in realizing power plants and building-integrated PV systems. A SOLON BusPort basic unit consists of a total of 56 SOLON large modules.*

Smallest free-standing unit consisting of at least 2 basic units



Cost effectiveness

- Use of a sealed surface area as additional source of income
- Feed-in tariff for rooftop systems
- Savings potential through less fuel consumption for air conditioning in buses

System characteristics

- For use in both large parking areas and smaller areas
- Easy, large-scale installation
- Modular design can be extended in any way desired*
- Maximum traffic safety due to clear layout of supporting pillars
- Anti-theft protection through use of tried and tested SOLON fixing technology and SOLON large modules

SOLON quality

- Highest quality standards through high-quality materials and continual quality assurance measures
- ISO 9001 and 14001 certification

Product types (basic unit)

Poly	Nominal Power $P_{\text{nom DC}} \varnothing$ 35 kWp
Mono	Nominal Power $P_{\text{nom DC}} \varnothing$ 35 kWp
High Performance	Nominal Power $P_{\text{nom DC}} \varnothing$ 44,8 kWp

System data (basic unit)

Dimensions	18.68 m facing east/west 13.9 m facing north/south
Height	max. 9.1 m/min. 4.1 m
Weight	approx. 13.6 t (without base)
Modules	56 SOLON large modules with 5 mm solar glass
Inverter	String or central inverter
Base	Site-optimized layout
Angle of inclination	20° (project-specific layout)
Communication	SOLON monitoring system
Wind resistance	Site-optimized layout
Certificates	TÜV: IEC 61215, IEC 61730
Required area	approx. 260 m ² /basic unit approx. 2.5 ha for 1 MW (mounting cube)

* The smallest free-standing unit consists of at least 2 basic units

