

Data sheet - SHARK simpleX

SHARK simpleX®

The fast MOUNTING SYSTEM
for photovoltaic power plants.



MANUFACTURER'S PRIME QUALITY

All parts are produced in Germany and have the usual SHARK quality.



FAST MOUNTING

No mounting system can be installed faster. Prefabrication and few parts save time and costs.



AUDITED SAFETY

Static, material, execution and place of manufacture is tested and audited by VDE.



KIND TO THE ROOF

The installation is executed without penetration of the roof; the watercourse is ensured.



EXPERT'S REPORT OF I.F.I.

The institute for aerodynamics confirms the stability.



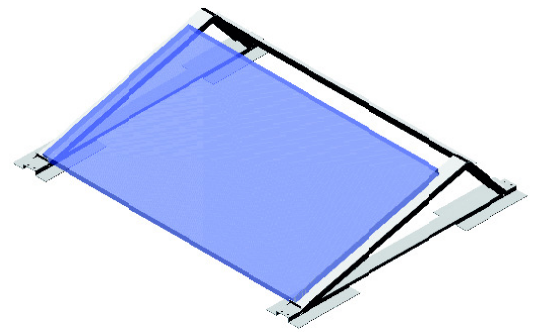
AERODYNAMICALLY OPTIMIZED

The design developed in wind channel leads the wind perfectly through the system.



RECYCLABLE AT 100 PERCENT

Used material has a life cycle of more than 20 years and is recyclable at 100 %.



With the aerodynamically and technically optimized mounting system **SHARK simpleX**, the area potential of flat or slightly inclined roofs can be used. Even roofs with low load reserves are suitable for this low ballast mounting system. In contrary to conventional, non penetrating mounting systems for flat roofs, **SHARK simpleX** gets along with only a fraction of normally necessary ballast, because of its aerodynamic, in wind channel tested construction.

**20 YEARS
WARRANTY**

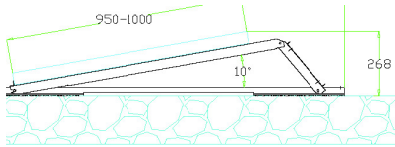
SHARK simpleX convinces by its unique mounting friendliness. The system consist of few parts, prefabricated in factory, so that the assembly can be easily made.

The bottom rails guarantee an incomparable gentle installation to the roof. The protection tapes, laminated by aluminium, are already applied and the construction allows water flow in all directions.



SHARK SiMPLE[®]X

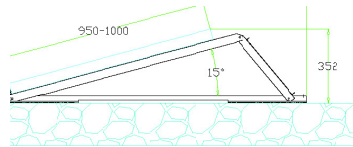
simpleX10



Specification

incline	10 °
width module	950 - 1.200 mm*
weight	3,5 kg / m ²
length rail	1.500 mm
distance shadow	any
area load	8 kg/m ² **
material	aluminium
area demand	from 10 m ² / kWp**

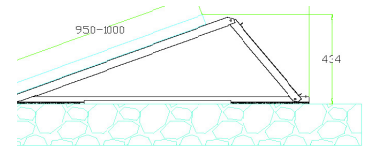
simpleX15



Specification

incline	15 °
width module	950 - 1.200 mm*
weight	4 kg / m ²
length rail	1.500 mm
distance shadow	any
area load	10 kg/m ² **
material	aluminium
area demand	from 12 m ² / kWp**

simpleX20



Specification

incline	20 °
width module	950 - 1.000 mm*
weight	4,5 kg / m ²
length rail	1.500 mm
distance shadow	any
area load	12 kg/m ² **
material	aluminium
area demand	from 15 m ² / kWp**

* Special solutions for alternative width of modules are possible. System is applicable for all lengths of modules.

** In dependence of type of module, chosen distance of shadow, incline, subdivision of generator, location- and building data, the area demand and area load may differ.

TECHNISCHE DATEN

range of application	flat roofs, slightly inclined roofs
roofing	foil, bitumen, gravel, green, sheet metal
incline roof	0° - 15°
PV-modulese	pudding on the short part and there fixed
orientation	south
connection to roof	without penetration of the roof
protection of building	protection pads, laminated by aluminium, already fixed
proof of wind load and basics of static	determination and construction of wing assembly in aluminium under the use of tests in wind channels, assumptions of loads acc. to DIN 1055 and Eurocode 1
lightning protection	Precondition for the integration into the lightning protection (or potential compensation) are fulfilled (e. g. VDE 0100 part 712)
material	Oxidation stability tested according to DIN ISO 6988 (sulphur dioxide) DIN EN 60028-2-1 (salt fog test)
connectors	screws V2A
connectors	5-7 kWp / man-hour
product warranty	20 years