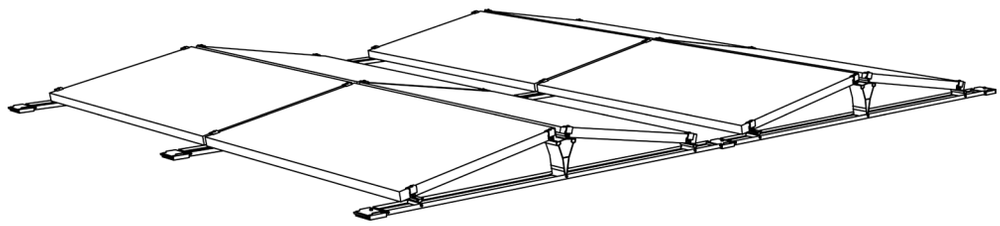
Renusol Europe GmbH



System Datasheet

FS10-EW

General

System	Ballasted PV-mounting system
Content	Ground rails, rail connector, building protection mat, low post, high post, clamps
System warranty	10 years
Application area	Flat roof on industrial, agricultural (except hydrogen sulfide exposition) and residential buildings
Roof covering	Bitumen, concrete, foil, gravel
Roof slope	max. 5° without additional measures

System properties

System orientation	East-West
Module tilt	10°
System weight approx.	1,15 kg/m²plus ballast (project specific)
Weight PV-module included approx.:	11,8 kg/m²plus ballast (project specific)
Friction coefficient	μ =0,5 is to be determined and ensured upon installation surface.
Material	Minimum edge distance
Minimum edge distance	0,6 m
Max. Wind Dynamic Pressure	q_P=1,5 kN/m² (with simultaneously acting snow load of s_k=1,5 kN/m²)
Max. Wind Dynamic Pressure	q_P=1,0 kN/m² (with simultaneously acting snow load of s_k=2,5 kN/m²)

Modules

Type	Suitable for standard 60/72 cell panels. Approval for panel corner clamping is to be obtained.
Module width:	950-1.052 mm
Module guidance	Horizontal/Landscape

Certifications

Wind loads	Determined in wind tunnel tests by Ruscheweyh Consult GmbH
PV layout	Provided by Renusol
Ballast plan	Provided by Renusol

Services

PV layout	Provided by Renusol
Ballast plan	Provided by Renusol

System	Ground rail #	Inter-row spacing approx. [mm]	Shading angle
FS10-EW	500500	1.490 x Module length	7,0°