

Specification mounting system for flat roofs

General system description

System type:	Ballasted flat roof photovoltaic mounting system
Module orientation:	East/West, North/South, South
Nominal module inclination:	at least 10°
Module mounting:	landscape
Materials:	Aluminium, V2A, PE
Manufacturer's warranty:	12 years

Properties

Row spacing:	2230-2483 mm
Min. distance to the edge of the roof:	max. 500 mm
Attachment to the roof:	penetration-free installation, permanent drainage of the roof must be ensured
Permissible module widths:	995 mm - 1145 mm (l x w) Adaptation of the mounting system to the module width via prefabricated hole pattern in the fasteners
Clamping of the modules:	on the short side of the module
Electrical properties:	An approved way to integrate the mounting system into the lightning protection/equipotential bonding system
Component dimensions:	Logistically optimized dimensions of the components with the maximum dimensions of 2,000 mm in length
Ballasting:	A ballasting plan adapted to the location in accordance with EUROCODE and SIA standards using software recommended by the manufacturer must also be supplied Load transfer via continuous or connected base rails for ballast reduction
Approvals/standards:	A design of the mounting system with corresponding wind tunnel tests is absolutely necessary CE marking
Type:	novotegra flat roof III or comparable