

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 13°
Module mounting:	landscape
Materials:	Aluminum, V2A, PE
Manufacturer's warranty:	12 years

Properties

Max. module field length:	min. 17 m, with floating bearing min. 34 m
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 width:	920 mm - 1200 mm
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
Ballasting:	<p>A ballasting plan adapted to the location in accordance with EUROCODE and SIA standards using software recommended by the manufacturer must also be supplied</p> <p>Load transfer via continuous or connected base rails for ballast reduction</p>
Approvals/standards:	<p>A design of the mounting system with corresponding wind tunnel tests is necessary</p> <p>CE marking</p>
Type:	novotegra flat roof II or equivalent