

## Soluciones Estructurales Seguidor Solar

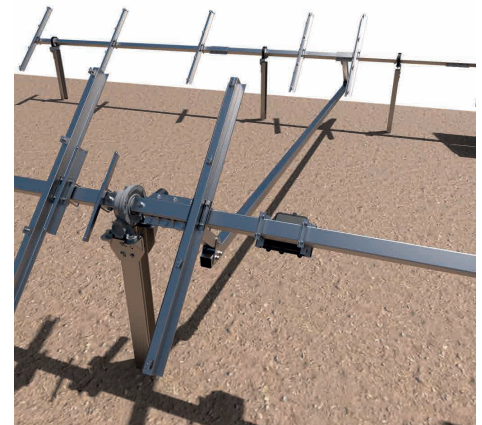
### Seguidor PRG 1100 Bifacial

AI SS

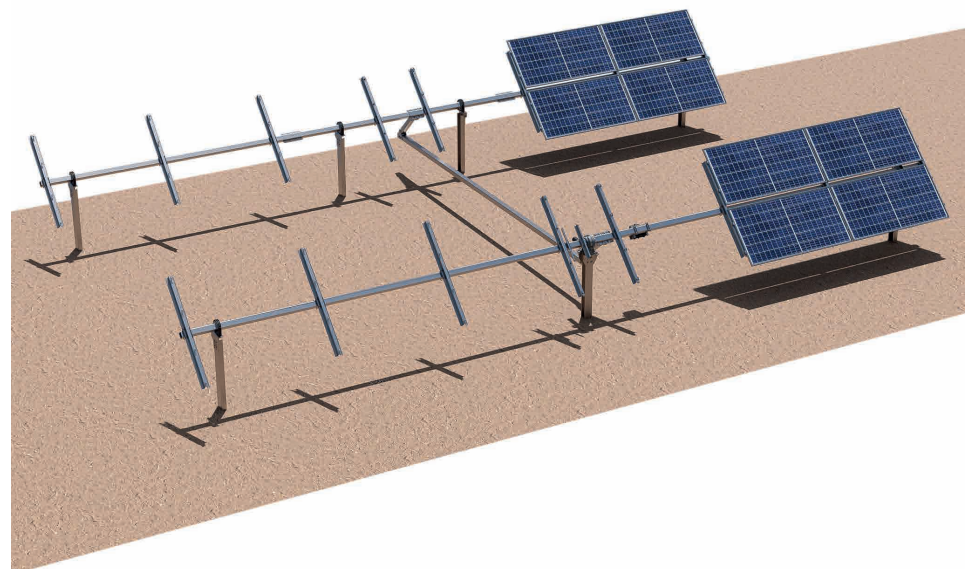


Vídeo Montaje

TIPO DE SEGUIDOR SOLAR	SEGUIDOR SOLAR A UN EJE HORIZONTAL MONOFILA O BIFILA
Rango de inclinación	110° (+- 55°)
Opciones de cimentación	Hincado directo/Pre-drilling + hincado/Micropilote
Adaptación al terreno	15% en N-S en seguidores bifila
Normativa y regulación	Cálculo, diseño y fabricación acorde a norma Eurocódigos
Materiales de la estructura	Aceros de alta resistencia S275, S355 y S350
Tipo de protección	HDG, Z275 (G90) Y ZM310
Tornillería	Grado 8.8 (o superior) / AISI 304
Nº de módulos por seguidor	60 unidades (monofila) / 120 unidades (bifila)*
Paneles solares compatibles	Con marco
Estudio en túnel de viento	Estático y aerolástico
Longitud del seguidor	60 m*
Área seguidor	120m <sup>2</sup> (monofila) / 240m <sup>2</sup> (bifila)
Potencia pico por seguidor	27 Kwp (monofila) / 54 Kwp (bifila)



\* Supuesto módulo de 450 Wp



REFERENCIA

DESCRIPCIÓN

PRG-1100 Bifacial

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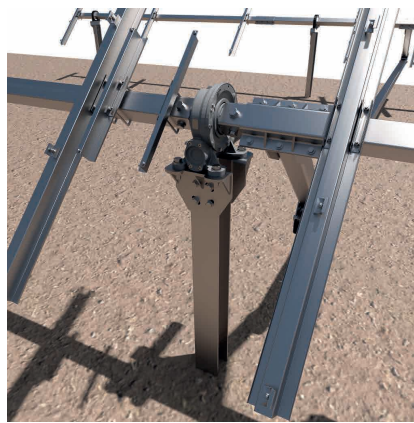
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STANDARD CODES	STANDARD TITLES
EN 1990	Eurocode: Basis of structural design
EN 1991-1-4	Eurocode 1: Actions on structures. Part 1-4: General actions- Wind actions
EN 1991-1-3	Eurocode 1: Actions on structures. Part 1-3: Snow loads
EN 1991-1-6	Eurocode 1: Actions on structures. Part 1-6: Actions during execution
EN 1993-1-3	Eurocode 3: Design of steel structures. General rules. Supplementary rules for cold-formed members and sheeting
EN 1993-1-5	Eurocode 3: Design of steel structures. Plated structural elements
EN 1993-1-8	Eurocode 3: Design of steel structures. Design of joints
EN 1993-1-9	Eurocode 3: Design of steel structures. Fatigue
EN 1993-1-10	Eurocode 3: Design of steel structures. Material toughness and through-thickness properties
EN 1993-5	Eurocode 3: Design of steel structures. Piling
EN 1997-1	Eurocode 7: Geotechnical design. General rule
EN 1997-2	Eurocode 7: Geotechnical design. Ground investigation and testing
EN 1998-1	Eurocode 8: Design of structures for earthquake resistance. General rules, seismic actions and rules for buildings
EN_1999-1-1	Eurocode 9: Design of aluminum structures-Part 1-1: General structural rules
EN ISO 14713-1	Zinc coatings- Guidelines and recommendations for the protection against corrosion of iron and steel in structures- Part 1: General principles of design and corrosion resistance
UL 2703	Standard for Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules and Panels
UL 3703	Standard for Solar Trackers
IEC 62727	Photovoltaic systems- Specification for solar trackers
IEC 62817	Photovoltaic systems- Design qualification of solar trackers
ISO 13849	Safety of machinery- Safety related parts of control systems



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