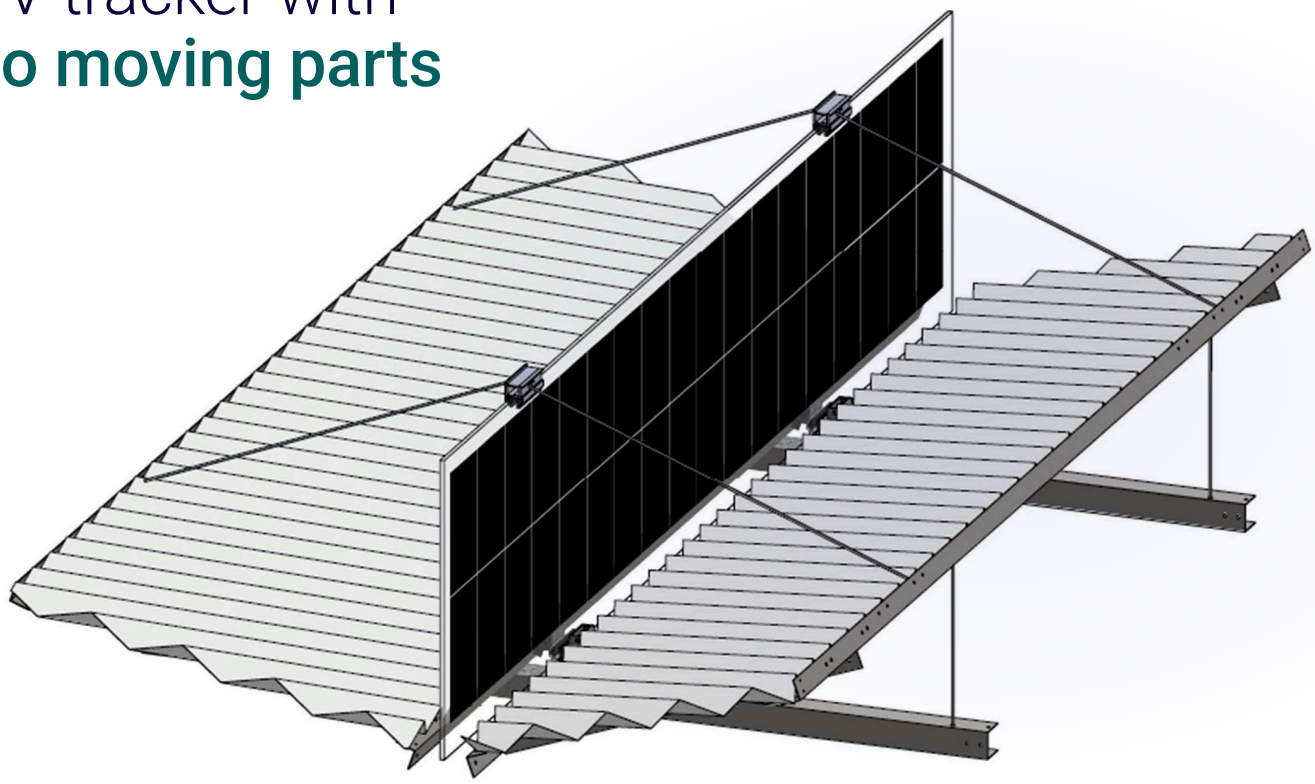
FutureVoltaics

PV tracker with **no moving parts**

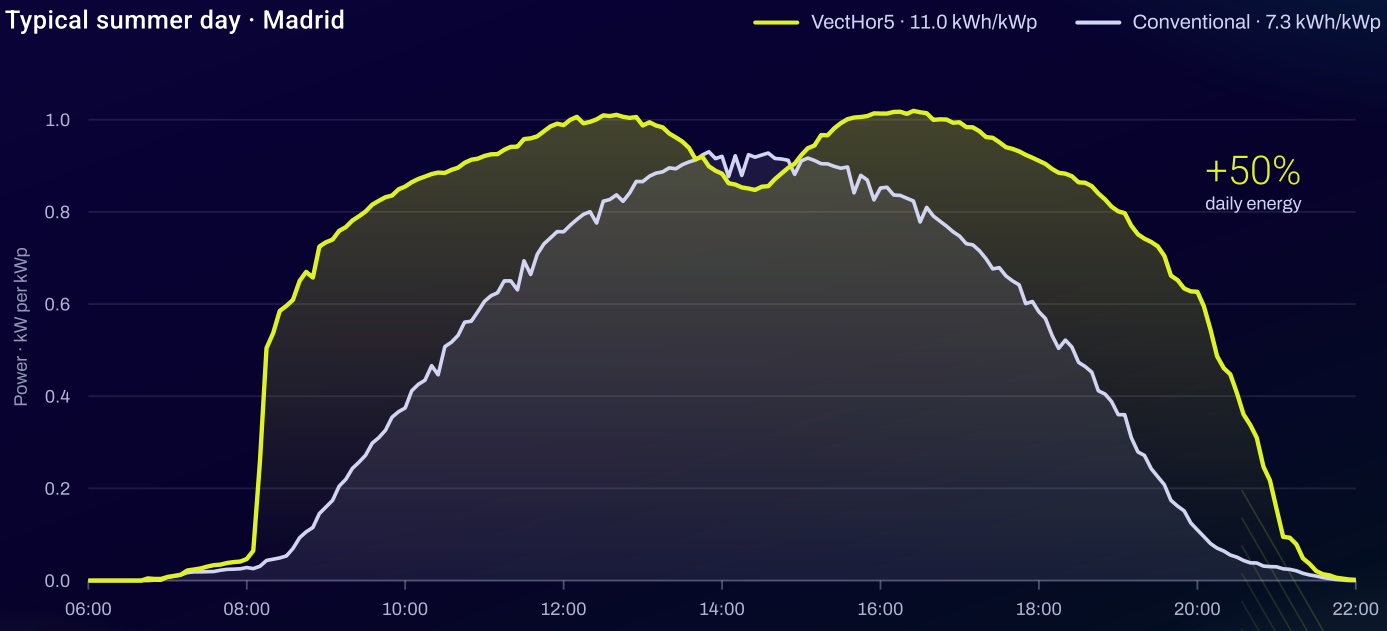


Kit VectHor5

+50%
daily energy
vs. conventional

95%
bifaciality
factor

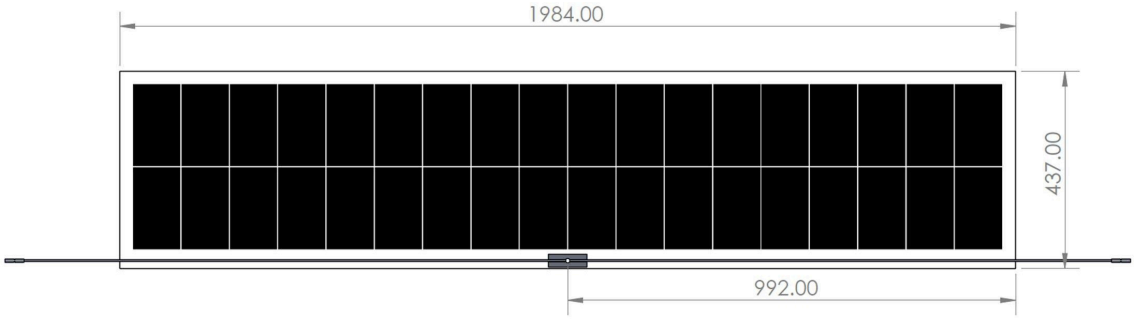
Typical summer day · Madrid



MORE POWER
WHEN IT MATTERS

Typical day: measured at CSIC Madrid, 2 July 2026, 5-min data. Daily yield 10.97 vs. 7.30 kWh/kWp (VectHor5 vs. conventional).

01 Units in mm
Solar panel characteristics



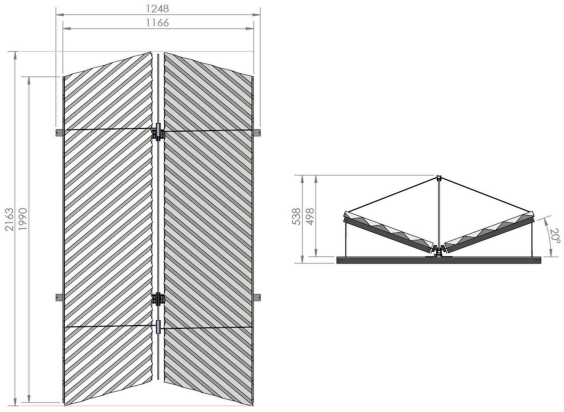
CONSTRUCTION

Cell type	Monocrystalline bifacial HJT
Number of cells	18 × 2 pieces
Front cover	3.2 mm textured glass, low iron (tempered)
Back cover	3.2 mm textured glass, low iron (tempered)
Dimension	1984 × 437 × 7.4 mm
Weight	16 kg
Junction box	IP67, bus bars protected with isolating glue to ensure electrical isolation
Output cable	(+) 1200 mm, (–) 1200 mm, MC4 compatible connectors
Certification	CE, IEC 61215, IEC 61730

ELECTRICAL

Power – front	175 Wp
Bifaciality factor	95 %
Vmp	12.06 V
Imp	14.51 A
Voc	13.54 V ± 3 %
Isc	16.31 A ± 3 %
Pmax coefficient	–0.26 %/°C
Voc coefficient	–0.240 %/°C
Isc coefficient	+0.040 %/°C
Maximum series fuse	25 A
Max. system voltage	1500 V

02 Units in mm
Support structure and reflectors



Reflectors	Galvanized steel with a corrosion- and UV-protective reflective film featuring an optically engineered pattern, mounted on a ZAM275 steel support structure
Clamps	Each solar panel is secured by six 80 mm aluminum clamps (four end clamps and two mid clamps)
Cable-stayed	The upper clamps of the solar panel and reflectors are attached to a 3 mm stainless steel 316 wire securing the system to a mounting substructure
Cable terminals	Threaded terminals made of stainless steel 316
Mounting structure	Each VectHor® unit is mounted onto two U-shaped ZAM275 steel profiles
Hinges and feet	A ZAM275 steel foot-hinge component connects the reflectors and solar panels, enabling system folding/unfolding, and anchors the assembly to the mounting structure
Mechanical loads	The structure and all components have been engineered to withstand mechanical loads from wind and snow in accordance with EN 1991-1-4

28.7 kg
Total kit weight incl. panel

2.4 m²
Surface covered by unit kit

74.1 Wp/m²
Power density

12.2 kg/m²
Weight density