

TRACKER MONOASSIALI
(tipo PVH o equivalenti)

MONOLine

Full Aeroelastic Wind Tunnel Tested



pvhardware.com



STRUCTURAL & MECHANICAL SPECIFICATIONS

Tracker	Independent-row horizontal single-axis
Rotational range	+/-60°
Motor	DC Motor
Motors per MWp (390 Wp modules)	42.7 (Monoline 2V), 28.5 (Monoline 3H)
Ground cover ratio	30-50%, depending on configuration
Modules supported	All market available modules, including thin film and bifacial
Slope tolerances	N-S: up to 14%, E-W: unlimited
Module configuration	2 modules in portrait / 3 modules in landscape
Module attachment	Direct mount to panel rail (configurable for clamps)
Structural materials	Magnelis / Hot-dipped galvanized steel per ASTM A123 or ISO 1461
Allowable wind load	Tailored to site specific conditions up to 120 mph/193 kph
Grounding system	Self-grounded via serrated fixation hardware
Wind alarm	Yes, stow position in up to 5 minutes
Wind speed sensors	Ultrasonic anemometer
Solar tracking method	Astronomical algorithm
Controller electronics	A central control unit per solar plant. Wireless communication with trackers. Redundancy of wireless gateways to guarantee communication
SCADA interface	Modbus TCP or OPC-UA
Communication protocol	Wireless LoRa
Nighttime stow	Yes, configurable
Backtracking	Yes
In-field manufacturing	No
On-site training and commissioning	Yes, included in tracker supply
Standard warranties	Structure: 10 years. Electromechanical components: 5 years
Certifications	UL3703, IEC 62817
Structural adaptation to local codes	Yes, verified by third-party structural engineers if required



MONOLINE 3H
90 modules per row

MONOLINE 2V
60 modules per row

MONOLINE 2V BIFACIAL
60 modules per row