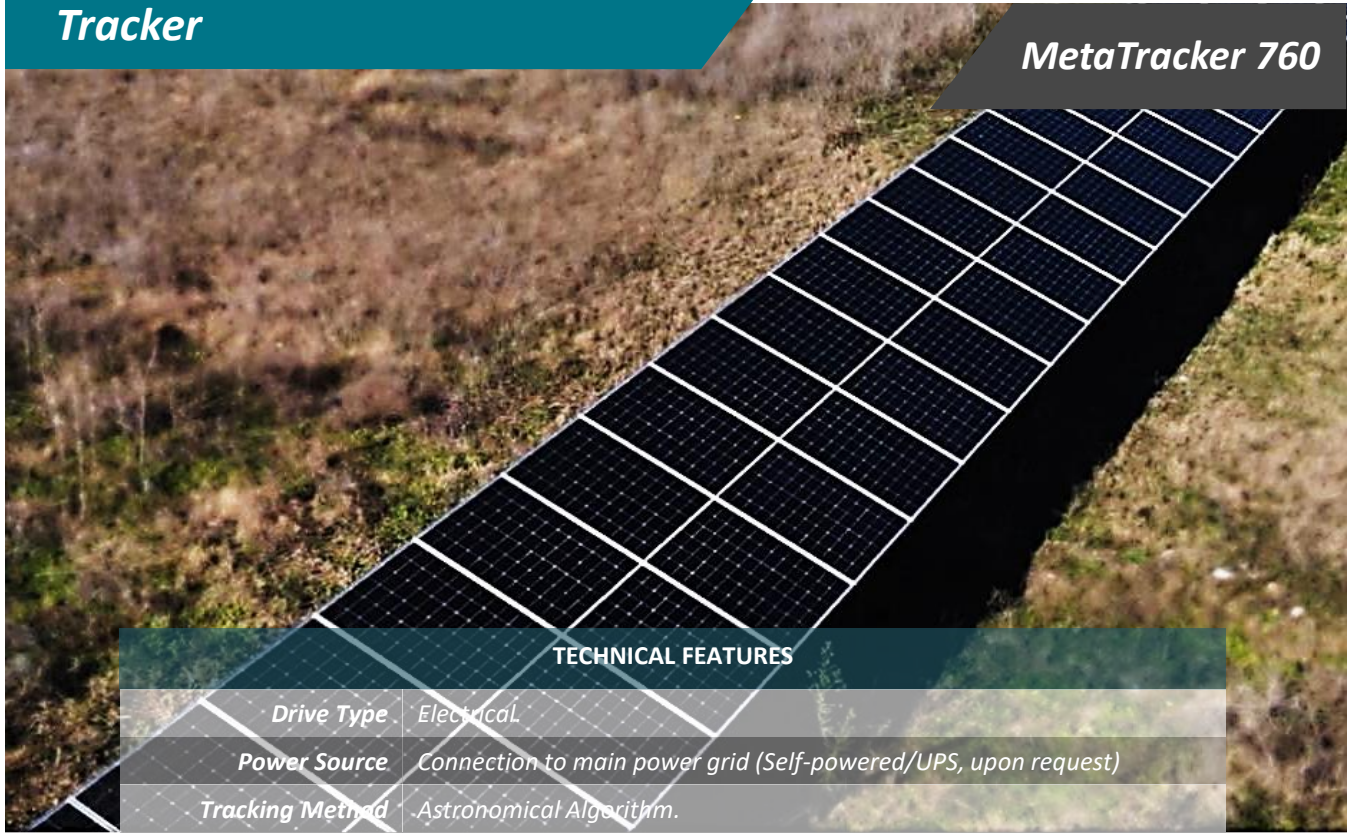


Horizontal Single-Axis Electrical Tracker

MetaTracker 760

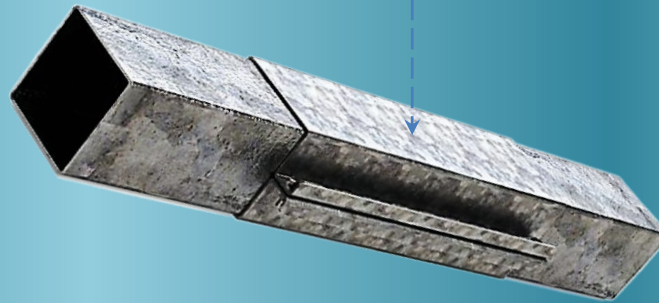
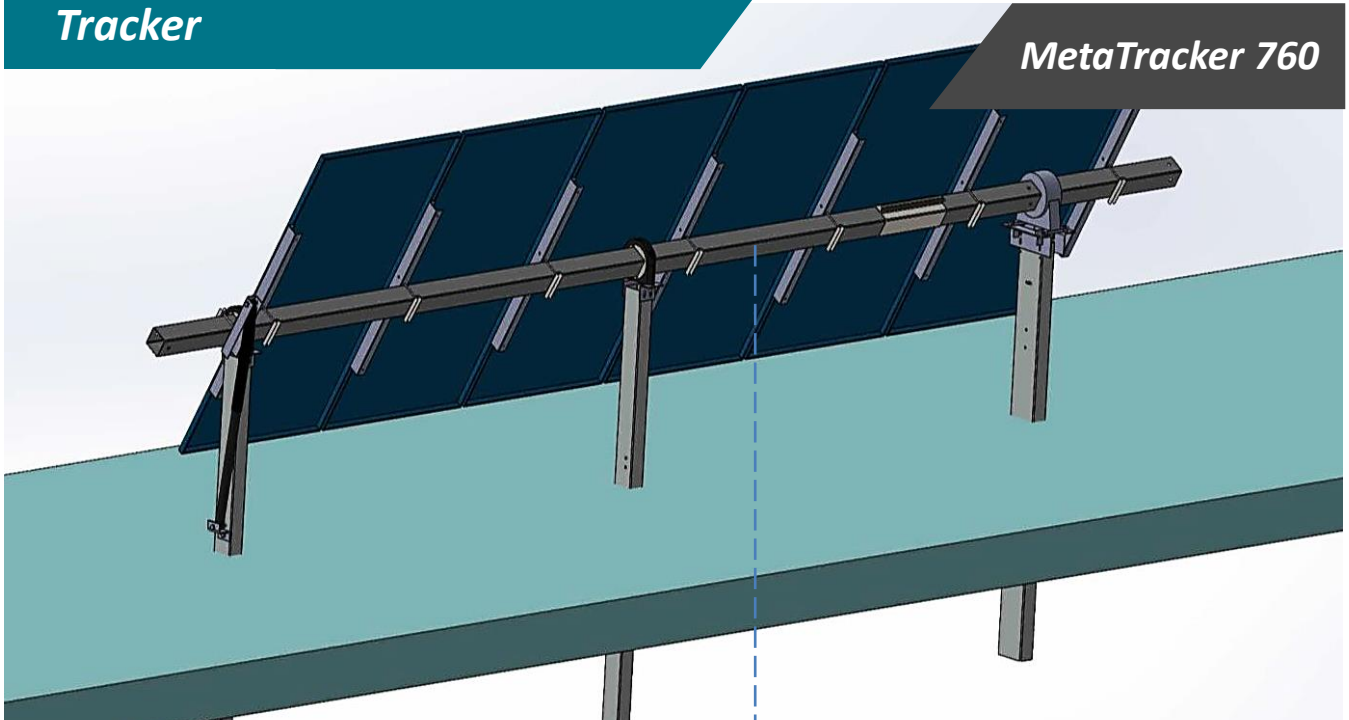


TECHNICAL FEATURES

Drive Type	Electrical.
Power Source	Connection to main power grid (Self-powered/UPS, upon request)
Tracking Method	Astronomical Algorithm.
Range of motion	-50° to +50° (±55° upon request)
Maximum surface	200m ² .
Structure	Galvanized elements [EN 1461, EN 10346].
Accessories	Solar Plastic Bearings – Stainless steel components.
Orientation	Portrait, landscape.
Dimension Limits	Flexible table length arrangements, following string arrangement (panel/string).
PV Modules	Up to 1 in portrait layout / Up to 2 in landscape layout/ Panel dimensions from 1.2 up to 2.5m.
Slope Limits	Unlimited E-W slope, up to 8° S-N, typical design. Unlimited E-W slope, up to 15° S-N for special. Slopes smooth, structures w/ steady slopes.
Foundation	Pile ramming/Piles in holes filled with concrete / Concrete ballasts.
Wind load limits	Vb=33m/s, Terrain Category II.
Snow load limits	Sko=1.7kN/m ² , Snow Zone C.
Operation Conditions	Up to 50 km/h at any tracking angle and wind orientation.
Wind Protection	Automatically return to the stow position through anemometer.
Temperature Range	-20°C to +60°C.

Horizontal Single-Axis Electrical Tracker

MetaTracker 760



Shaft and shaft connector

Advantages of the system

- AC powered: Customer-provided AC circuit - 240 VAC (self-powered upon request)
- Slewing Drive Rated Voltage: 24 VDC
- Suitable for any terrain, even in cases of extreme slopes
- Daily backtracking – Prevention of tables casting shadows to each other
- Very short free rotating length – Exceptional torsion stability and zero backlash
- Wired Communication – Full handling and monitoring through the Internet
- Telemetry through VNC viewer
- Independent movement of each substructure (cleaning and pass-through mode)
- Maintenance - Typical annual checks of the system
- Electrical Drive – No maintenance needed