METALOUMIN
ALUMINIUM SYSTEMS SINCE 1969

METATRACKER
METALOUMIN
ALUMINIUM SYSTEMS SINCE 1969

Single - Axis Electrical Agrivoltaic Tracker

M-AGR - 760

TECHNICAL SPECIFICATIONS	
Drive Type	Electrical.
Tracking Method	Astronomical Algorithm.
Range of motion	-50° to +50° (±55° upon request).
Maximum surface	200m^2.
Construction	Corrosion protection [EN 1461, EN 10346].
Accessories	Plastic joints-steel with anti-corrosion protection[EN 1461, EN 10346].
Orientation	Vertical, horizontal.
Dimension limits	Flexible table-structure length, based on collector array (panel/string).
PV Panels	Up to 1 in portrait/ Up to 2 in landscape.
Construction Height (0º)	Flexible structure - table height, standard 2.40m.
Inclination limits	Standard design: E-W unlimited, N-S ≤ 3°. Special: E-W unlimited, N-S. > 3°. Smooth slopes, structure with constant slopes.
Foundation	Piling / Piles in full concrete holes / Concrete counterweights.
Wind load limits	Vb=33m/s, Ground category II.
Snow load limits	Sko=1,7kN/m^2, Snow zone C.
Operating conditions	Up to 50 km/h at each tracking angle/wind orientation.
Wind protection	Automatic return to safety position via anemometer.
Snow Protection	Automatic change of direction (A-A)/1 hour with software or maximum tilt at user command.
Temperature range	-20°C to +60°C.
Power supply	240 V AC – 24V DC.

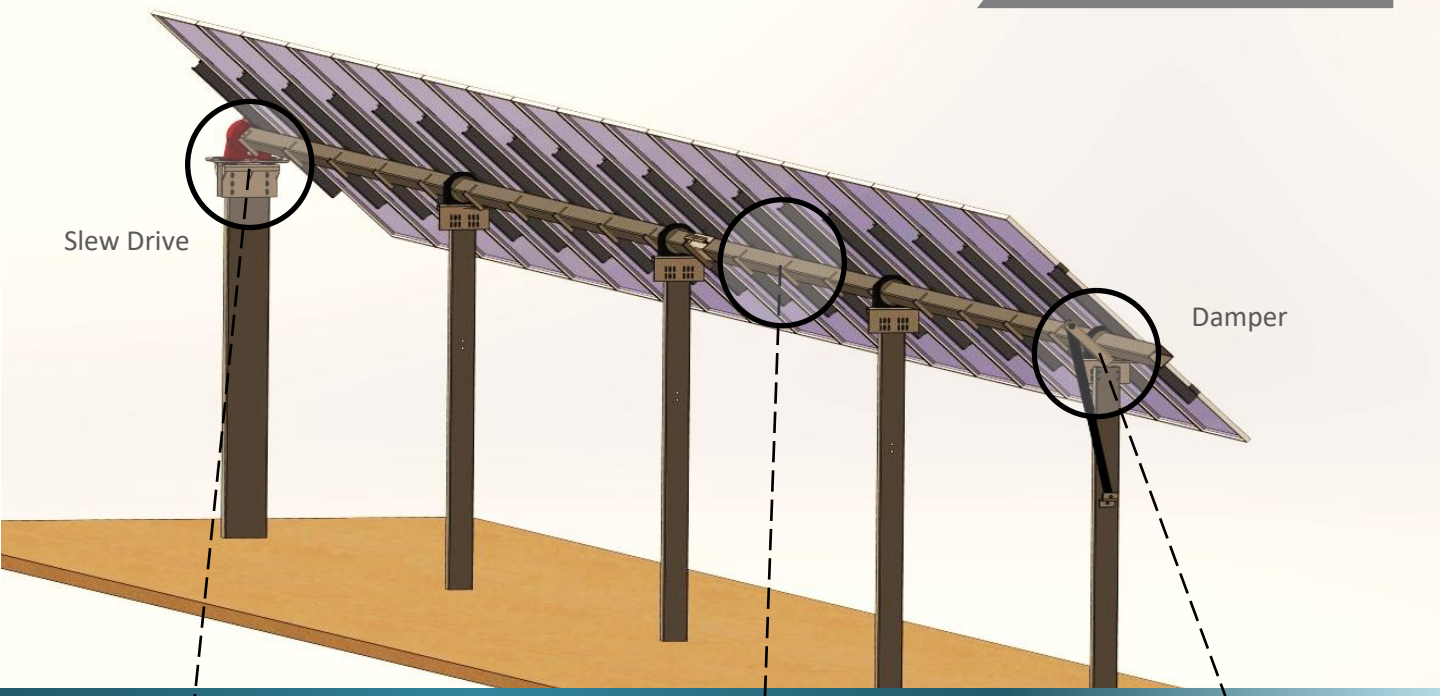
20 SAINT FANOURIOU STR., KTIPITO AHARNAI, GR 136 78, ATHENS, GREECE
TEL: +30 210 2463630, fax: +30 210 2464471, Web: www.metaloumin.gr, Email: export@metaloumin.gr

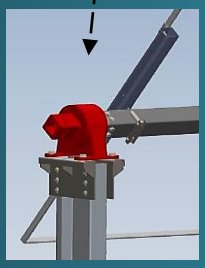
METALOUMIN
ALUMINIUM SYSTEMS SINCE 1969

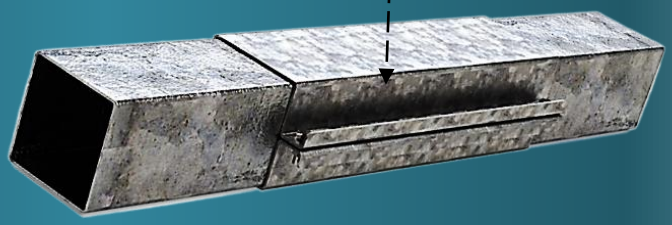
METATRACKER
METALOUMIN
ALUMINIUM SYSTEMS SINCE 1969

Single - Axis Electrical Agrivoltaic Tracker

M-AGR - 760







Shaft and shaft coupling

System advantages

- Suitable for all terrains, even in cases of steep slopes
- Daily backtracking - Prevention of shading between structures
- Excellent torsion stability and zero backlash
- Standard wired communication (wireless upon request)
- Telemetry via VNC viewer
- Independent movement of each structure (cleaning and passage)
- Maintenance - Standard annual system audit
- Electric drive - No maintenance required

20 SAINT FANOURIOU STR., KTIPITO AHARNAI, GR 136 78, ATHENS, GREECE
TEL: +30 210 2463630, fax: +30 210 2464471, Web: www.metaloumin.gr, Email: export@metaloumin.gr