

THOR-Stow® PRO

THE ULTIMATE HAIL STOW STRATEGY

WHY THOR-Stow® PRO?

Precisely engineered and backed by thorough environmental analysis, IDEEMATEC's THOR-Stow PRO strategy provides exceptional protection against hail and other harsh weather conditions, ensuring that your solar installations remain secure and reliable in the face of nature's challenges.



Advanced Weather Defense

THOR-Stow® PRO delivers superior hail protection through a combination of innovative features:



High Tilt Stow & Automated Adjustments

Our system utilizes tilt angles up to 70° to minimize hail impact, supported by automated adjustments informed by precise weather forecasts.



Operational Flexibility on Demand

With variable control options, site operators can quickly implement comprehensive protection.



Superior Wind Speed Resilience

Our L:TEC solar trackers are designed with multiple locking points on each axis, enhancing stability and enabling a higher working wind speed while keeping the tracker weight low.

Unique Features of IDEEMATEC's Mitigation Strategy



Direct Control Line Communication

THOR-Stow PRO® features IDEEMATEC's advanced AC control option, which includes fail-proof, hard-wired control lines. This design guarantees uninterrupted communication at critical moments before a hail event, enabling fail-safe activation of protective measures to ensure reliable performance when you need it most.

Manual and Automated Stow Activation

IDEEMATEC's system implements both manual and automated stowing actuation, ensuring preparedness for any hail threat with:



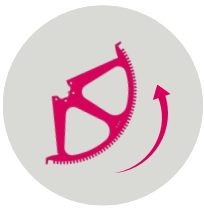
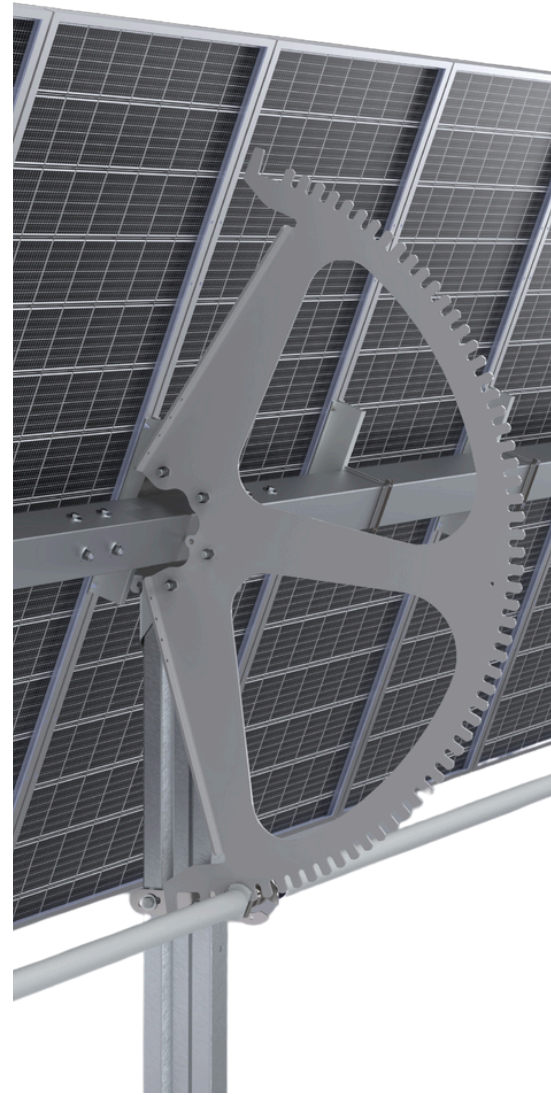
Manual Activation for Enhanced Control

Hail stow can be activated both on-site and remotely, providing fail-safe protection against impending weather challenges. Automatic notifications inform the operator about plant system and provide real-time updates.

Automated Activation based on Weather Forecasts



Integration with state-of-the-art weather forecasting technology enables automated responses to predicted hail threats.



70° ROTATION ANGLE

Hail damage risk minimized with tracker hail stow angle up to 70° away from wind.



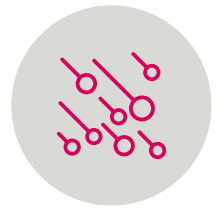
ENHANCED STRUCTURAL DESIGN

Up to 50% increase in working wind speed, allowing management of any hail scenario with minimized risk to module & highest module yield on stormy days.



50% FASTER TIME TO STOW

Stow speed latency cut in half in order to meet the challenge of rapidly changing environmental conditions.



ENHANCED HAIL FORECAST OPTIONS & OPERATOR MODES

Utilization of hail forecasts through weather services for site-wide automated Hail Stow.