



The BiT-1P*2 dual solar tracker optimizes lifetime value and performance, helping project developers and asset owners get the most from their power plant. Ideally suited for sites with challenging soils, high winds, and irregular boundaries, the BiT-1P tracker features slew driving system for maximum stability in extreme weather, equipped with dampers to ensure the stability of the system.

Features

Reliable

Technology Mature >10 years

Suitable

Large size Module up to 660W

Quick Installation

With less components

JT-Cloud

On-line O&M tools

THE RELIABLE TRACKER UNDER THE SUN -- JuTracker @ BiT-1P*2

GREATEST RELIABILITY.

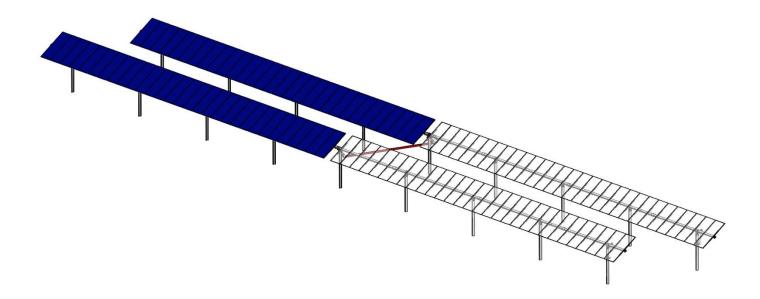
Reducing the number of sensitive components has resulted in the highest operational uptime in the industry.

With the fewer fasteners of any option, BiT-1P*2 provides labor-saving installation, adding up to big savings. The robust mounting interface is designed and tested to withstand up to 2400 Pascal's.

ZERO SCHEDULED MAINTENANCE.

The tracker's gearboxes are sealed and lubricated for life, resulting in zero scheduled maintenance. All tracker rows self-calibrate twice daily, ensuring that each row is always at the optimal tracking angle. Uninterrupted module rows create a robot-ready design permitting autonomous module cleaning.

JuTracker BiT-1P*2



GENERAL		
Tracking Type	BiT-1P*2 dual Horizontal Single Axis (N-S)	
String Voltage	1500v	
Portrait Rows	1 portrait * 2 link	
No. Panel per tracker	Max 120 (4 Strings)	
Drive Type	Slewing Driver	
Motor Type	24VDC Motor	
East-west / North-south Dimensions	Site / Module Specific	
Array Height	1.5m Min Height Above Grade (0.5m Clearance)	
Ground Coverage Ratio (GCR)	Flexible, 30 %– 50% Typical	
Modules Supported	Max Module Size (L= 2.4m* W= 1.4m) ,	
Tracking Angle	Up To ± 60°	
Operating Temperature Range	-25°C To 65°C	
Foundation	Driven Pile , Ground Screw , Concrete	
Module Attachment	Fastener Bracket With Integrated Grounding Attaches To Solar Module Interface Bracket Containing Pre-installed Clips	
Structure Material & Coating	Hot dip Galvanized/Pre-galvanized/hot dip zinc aluminum magnesium alloy coated STEEL	
Allowable Wind Load	Stow Velocity 150 KM/h, 3-second Gust Exposure ; Operational Velocity 80KM/H; Customized Designs Available For Higher Wind Speeds	
Wind Protection	Passive Mechanical System Relieves Wind And Obstruction Damage — No Power Required	
Grounding Method	Self-grounding Structure	
Corrosion Class	Standard C3 / C4&C5 on requirement	
Protection Class	IP54 / IP 65 on requirement	
Max. Slope	N-S 15% ; E-W 10%	

		Algorithm with backtracking	
Control Electronics TCU for each t NCU connected			
Data Feed NCU MODBUS		S over Ethernet to SCADA	
Night-time Stow Yes			
Tracking Accuracy	± 1° standard	l, field adjustable	
Power Supply	String-Powered with Battery backup (AC 120V~240V external as optional)		
Communications	Wireless Lora (MODBUS RS4		
INSTALLATION, SERVICES & Availability			
Structural Calculations & Drawings		Yes	
On-site Training & System Commissioning		Yes	
Connection Type		Fully bolted connections, no welding	
In-field Fabrication Required		No	
Dry Slide Bearings & Articulating Driveline Connections		Self lubricating Bearing	
Availability		≥99%	
ADDITIONAL			
Daily Power Consumption per Tracker		< 0.1KWH	
Energy Gain vs. Fixed-Tilt		Up to 25%, site specific	
Warranty		10 year structural, 5 year drive & control components	
Codes and Standards		IEC 62817/UL 2703 / UL 3703 ASCE 7-10 / CE	

ELECTRONICS AND CONTROLS













