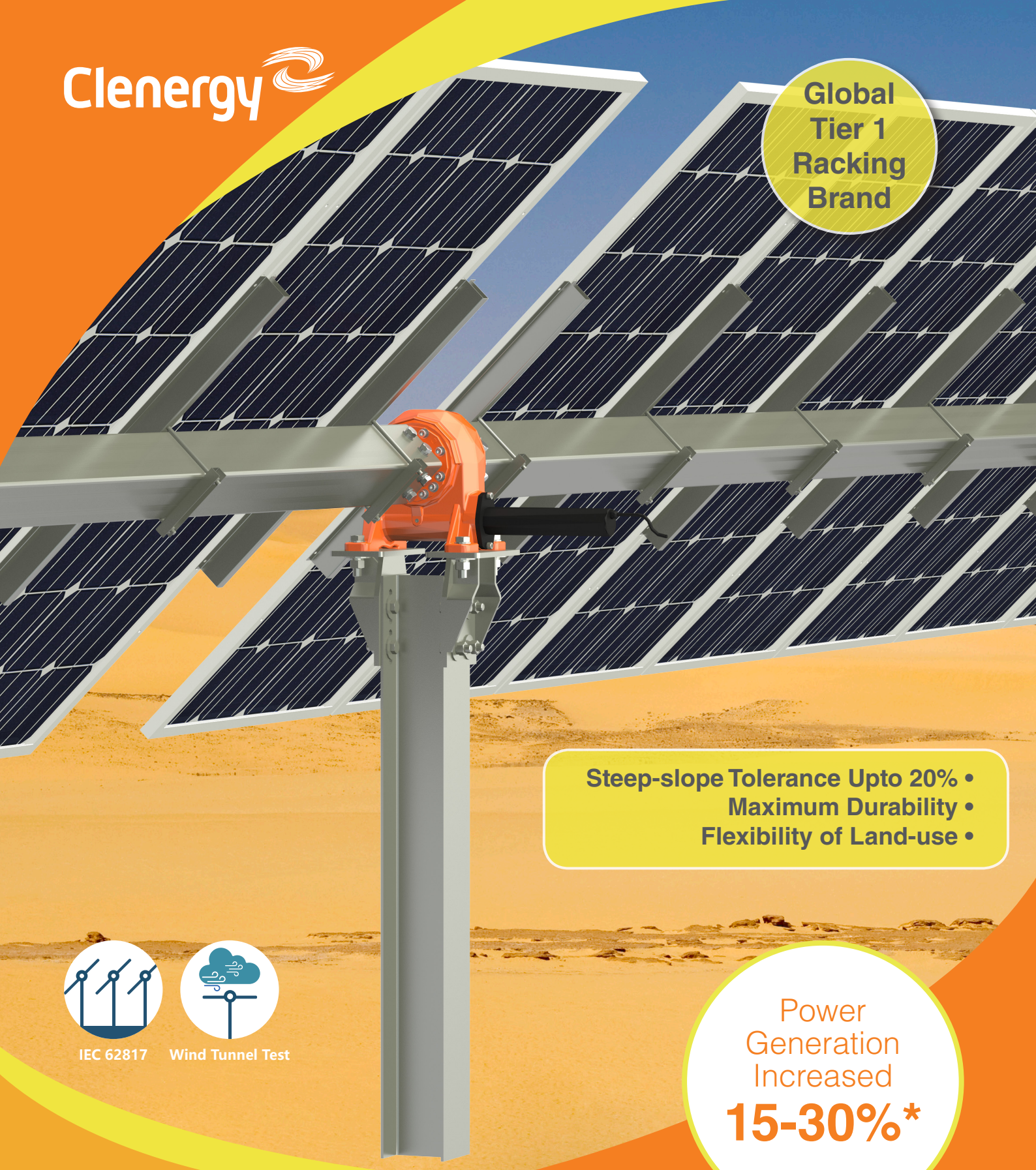
Clenergy

Global Tier 1 Racking Brand



Steep-slope Tolerance Upto 20% •
Maximum Durability •
Flexibility of Land-use •

IEC 62817

Wind Tunnel Test

Power Generation Increased
15-30%*

EzTracker D1P

One Portrait Horizontal Single-axis Tracker

*Compared to a Standard Fixed Tilt Tracker

EzTracker D1P

One Portrait Horizontal Single-axis Tracker

Advantages

- Adapt to different terrains, allowing slopes up to 10% to 20%
- Multiple configurations are available, customizing optimal combinations
- Modular design for easy maintenance
- Stable operation and high reliability

Clenergy presents an adaptable, cost-effective solar tracker ideal for commercial or utility scale PV projects.

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Technical Details

PV-Modules

PV-Modules supported	Fully compatible with 180-210 silicon wafers' PV-Module-500W+

Structure

Type	Horizontal single-axis tracker
Maximum capacity per row	≤49kWp (Estimated with 545W PV-Modules)
PV-Modules quantity per row	90 PCS (1x90)
Tracking range	±60°
Tracking accuracy	±1°
Structural materials	HDG Steel, Al-Mg-Zn Coating Steel
Foundation	Steel pile, PHC pile, concrete foundation
Quantity of foundation/MW	Normally about 250 PCS/ MW (Estimated with 545W PV-Modules)

Electrical

Motor type	24V DC Motor
Motor quantity	1 motors per row
Drive method	Linear Drive/ Slew Drive
Solar tracking method	Astronomical algorithm + closed-loop control
Control system	MCU
Data feed	Modbus over RS485
Signal transmission	Wire or wireless (Zigbee)
Backtracking	Yes
Manual operation	Yes
Power supply	Self-powered or grid-powered
Commission	By Mobile phone App
1000V System or 1500V System	Both Available

Protection function

Night stow mode	Yes
Overheat prevention	Yes
Overload prevention	Yes
Troubleshooting Available	Yes (Driving Abnormally > Self-Diagnostics)

Environment

Wind load	Customisable according to local condition
Operating temperature	-30℃ to +60℃

Civil and installation

Slope tolerance	North-south 10%~20%, East-west no limits
Special tools	Not required

Other

System design standard	GBT29320-2012, IEC 62817
Load design standard	GB 50009, ASCE 7-05, ASCE 7-10 (according to project)