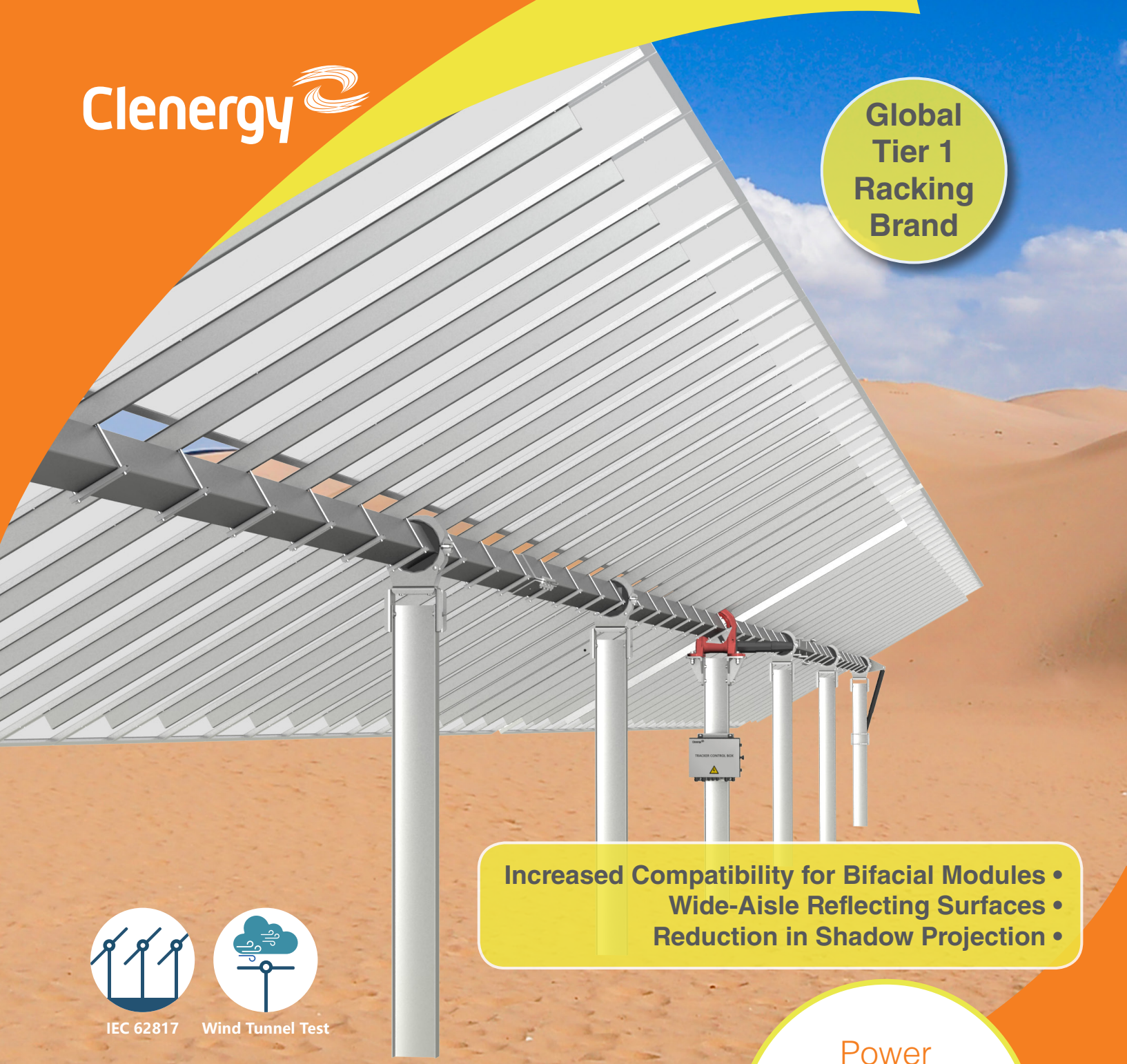
Clenergy

Global Tier 1 Racking Brand



Increased Compatibility for Bifacial Modules •
Wide-Aisle Reflecting Surfaces •
Reduction in Shadow Projection •

IEC 62817

Wind Tunnel Test

Power Generation Increased
Up to 30%

EzTracker D2P

Horizontal Single-axis Tracker

*2 x Portrait Layout with Bifacial PV-Modules Compared to Fixed Tilt System

EzTracker D2P

Horizontal Single-Axis Tracker

Advantages

- Flexible layout
- High power density
- Low construction costs
- Easy maintenance
- High stability and reliability
- Wide range of applications

EzTracker D2P has higher ground clearance, driest location for the motor, electronics, cabling, and a lower number of piles-per-MW amongst other competitors.

TUV Certification

RWDI Wind Tunnel Test

@ClenergyGlobal @ClenergyClub
@ClenergyAUS @ClenergyThailand

@Clenergy

@ClenergyClub

@Clenergy_global

www.clenergy.com

Clenergy HQ

999-1009 Min'an Rd, Huoju Hi-tech Ind. Dev. Zone
Xiang'an District 361101, Xiamen, Fujian, China

T: +86 592 3110 088 E: sales@clenergy.com

Offices:
Australia | China | Japan | Germany | Thailand | Philippines

Technical Details

PV-Modules

PV-Modules supported	Fully compatible with 180-210 silicon wafers' PV-Module-600W+

Structure

Type	Horizontal single-axis tracker
Maximum capacity per row	45.78kWp (Estimated with 545W PV-Modules)
PV-Modules quantity per row	2x45
Tracking range	±60°(120°)
Tracking accuracy	≤2°
Structural materials	HDG steel, Al-Mg-Zn coating steel
Foundation	Steel pile, PHC pile, Concrete foundation
Quantity of foundation/MW	Normally about 196 PCS/ MW (Estimated with 545W PV-Modules)

Electrical

Motor type	24V DC Motor
Motor quantity	1 motor per row
Drive method	Slewing 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
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	Up to 20%
Special tools	Not required

Other

System design standard	GBT 29320-2012, IEC 62817
Load design standard	GB 50009, ASCE 7-05, ASCE 7-10 (According to project)