



Global
Tier 1
Racking
Brand

- Steep-slope Tolerance Up to 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 System

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.



TUV Certification



WACKER Wind Tunnel Test

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Technical Details

PV-Modules

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

Type	Horizontal single-axis tracker
Maximum capacity per row	45.78kWp (Estimated with 545W PV-Modules)
PV-Modules quantity per row	90 PCS (1x90)
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 250 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
Overheat prevention	Yes
Overload prevention	Yes
Troubleshooting available	Yes (Driving abnormally > Self-diagnostics)

Environment

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

Civil and Installation

Slope tolerance	Up to 20%
Special tools	Not required

Other

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