

Global Tier 1 Racking Brand

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



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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in

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Technical Details

Structure Structure Structure Horizontal single-axis tracker Maximum capacity per row <49kWp (Estimated with 545W PV-Modules) PV-Modules quantity per row s0 PCS (1x90) Tracking ange ±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 Voc Motor Motor upantity 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 Procetion function Yes Protection function Yes Protection function Yes Protection function Yes Protection function Yes (Driving Abnormally > Self-Diagnostics)	PV-Modules	
Type Horizontal single-axis tracker Maximum capacity per row <49kWp (Estimated with 545W PV-Modules) PV-Modules quantity per row <0 PCS (1x90) Tracking range <60° Tracking accuracy ±1° Structural materials HDG Steel, AI-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) Motor quantity 1 motors per row Electrical Linear Drive/ Slew Drive Solar tracking method Linear Drive/ Slew Drive Solar tracking method MCU Data feed Modules over RS485 Signal transmission Wire or wireless (Zigbee) Backtracking Yes Power supply Self-powered or grid-powered Commission By Mobile phone App By Mobile phone App By Mobile phone App Power supply Self-powered or grid-powered Coverheat prevention Yes North-sould ble phone App Self-powered or grid-powered Coverheat prevention Yes <t< th=""><th>PV-Modules supported</th><th></th></t<>	PV-Modules supported	
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PV-Modules quantity per power set of the set o	Туре	Horizontal single-axis tracker
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#1° Structural materials HDG Steel, AI-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 Normality about 250 PCS/ MW (Estimated with 545W PV-Modules) Electrical I motors per row 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 Power supply Self-powered or grid-powered Commission By Mobile phone App Bub Available Protection function Night stow mode Yes Overheat prevention Yes Overhoad prevention Yes (Driving Abnormally > Self-Diagnostics) Environment Yes (Driving Abnormally > Self-Diagnostics) Environment Yes (Driving Abnormally > Self-Diagnostics) Environment Yes (Driving Abnormally > Self-Diagnostics) Environment <t< th=""><th>PV-Modules quantity per row</th><th>90 PCS (1x90)</th></t<>	PV-Modules quantity per row	90 PCS (1x90)
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 Image: Steel pile, PHC pile, concrete foundation 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 Power supply Self-powered or grid-powered Commission By Mobile phone App 1000V System or 1500V Both Available Protection function Yes Night stow mode Yes (Driving Abnormally > Self-Diagnostics) Environment Yes (Driving Abnormally > Self-Diagnostics) Environment Customisable according to local condition Operating temperature -30°C to +60°C Civil and installation North-south 10%~20%, East-west no limits	Tracking range	±60°
Foundation Steel pile, PHC pile, concrete foundation Quantity of foundation/MW Normally about 250 PCS/ MW (Estimated with 545W PV- Modules) Electrical Wotor type 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 Power supply Self-powered or grid-powered Commission By Mobile phone App Both Available Portection function Night stow mode Yes Overheat prevention Yes Overload prevention Yes Overload prevention Yes (Driving Abnormally > Self-Diagnostics) Environment Yes (Driving Abnormally > Self-Diagnostics) Environment Customisable according to local condition Operating temperature -30°C to +60°C Civil and installation North-south 10%~20%, East-west no limits	Tracking accuracy	±1°
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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 Power supply Self-powered or grid-powered Commission By Mobile phone App 1000V System or 1500V System Both Available Protection function Yes Overheat prevention Yes Overheat prevention Yes Overheat prevention Yes Commission tracking Available Yes Protection function Yes Overheat prevention Yes Overheat prevention Yes Invironment Yes Wind load Customisable according to local condition Operating temperature -30°C to +60°C Civil and installation North-south 10%~20%, East-west	Foundation	Steel pile, PHC pile, concrete foundation
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 Power supply Self-powered or grid-powered Commission By Mobile phone App 1000V System or 1500V Both Available Protection function Yes Night stow mode Yes (Driving Abnormally > Self-Diagnostics) Environment Yes (Driving Abnormally > Self-Diagnostics) Environment Self cover cover ding to local condition Operating temperature -30°C to +60°C Civil and installation Moth-south 10%~20%, East-west no limits	Quantity of foundation/MW	
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Data feedModbus over RS485Signal transmissionWire or wireless (Zigbee)BacktrackingYesManual operationYesPower supplySelf-powered or grid-poweredCommissionBy Mobile phone App1000V System or 1500V SystemBoth AvailableProtection functionYesNight stow modeYesOverheat preventionYesOverhoad preventionYesTroubleshooting AvailableYes (Driving Abnormally > Self-Diagnostics)EnvironmentYes (Driving Abnormally > Self-Diagnostics)EnvironmentOverheat conditionOperating temperature-30°C to +60°CCivil and installationNorth-south 10%~20%, East-west no limits	Solar tracking method	Astronomical algorithm + closed-loop control
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Environment Wind load Customisable according to local condition Operating temperature -30°C to +60°C Civil and installation Stope tolerance	Overload prevention	Yes
Wind load Customisable according to local condition Operating temperature -30°C to +60°C Civil and installation Slope tolerance North-south 10%~20%, East-west no limits	Troubleshooting Available	Yes (Driving Abnormally > Self-Diagnostics)
Operating temperature -30°C to +60°C Civil and installation Slope tolerance	Environment	
Civil and installation Slope tolerance North-south 10%~20%, East-west no limits	Wind load	Customisable according to local condition
Slope tolerance North-south 10%~20%, East-west no limits	Operating temperature	-30℃ to +60℃
	Civil and installation	
Special tools Not required	Slope tolerance	North-south 10%~20%, East-west no limits
	Special tools	Not required
Other	Other	
System design standard GBT29320-2012, IEC 62817	System design standard	GBT29320-2012, IEC 62817
Load design standard GB 50009, ASCE 7-05, ASCE 7-10 (according to project)	Load design standard	GB 50009, ASCE 7-05, ASCE 7-10 (according to project)