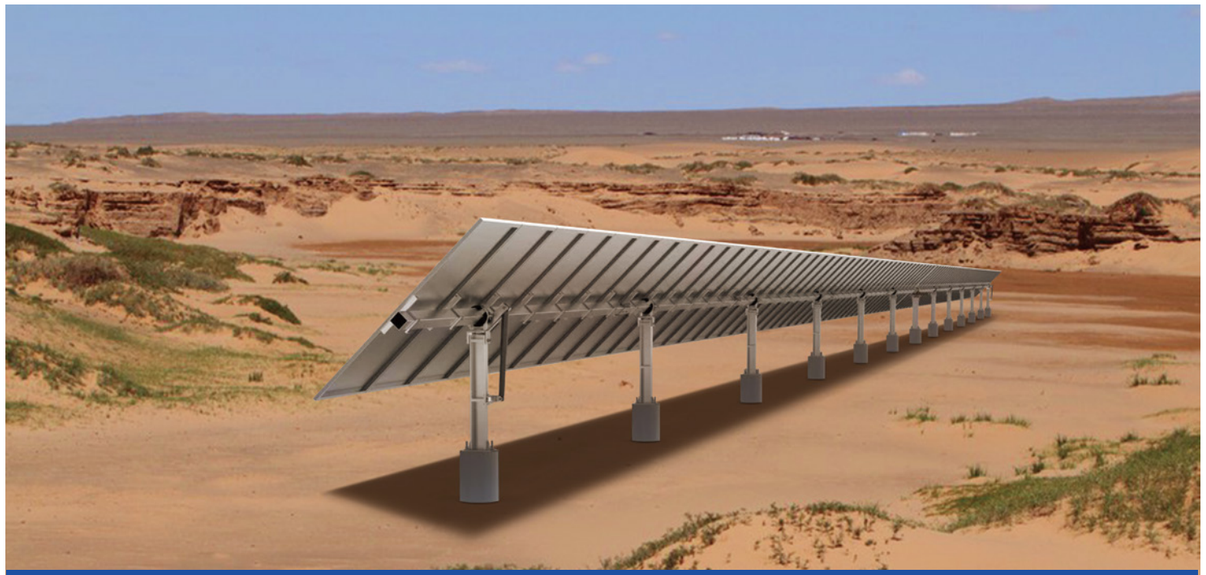

## SHR-HT1 NOVA STAR-Independent Single Row-1P

More reliable design, more intelligent algorithm, tracking power generation increase by 15-25%

## Features & Advantages

- Larger main beam section, higher strength material, more reliable structure.
- Adapt to not more than 20% of slope of all kinds of ground, adapt to more terrain.
- Using Lora wireless for information transmission, transmission distance islonger, the signal is more stable.
- Passed TUV, SGS, CE, wind tunnel test.
- Self-learning and adaptive AI intelligent control.
- Professional team to provide technical support and after-sales service.

| System Parameters | |
|---|---|
| **Tracking System Model** | |
| **Tracker Mode** | Single row single axis independent tracking system |
| **PV Panel Installation** | 1X84 (No more than 90 pieces) |
| **Control Mode** | Astronomical algorthm+closed-loop control (AI) |
| **Mechanical Tracking Accuracy** | ±2° |
| **Tracking Range** | ±45/±60°(customizable) |
| **Drive Mode** | Slew driver/Linear Actuator |
| **Land Utilization Rate GCR** | 25%~50% |
| **Structure Material** | Hot Dip Galvanized Steel /Zn-Al-Mg Coating Steel |
| **Type of Foundation** | Ramming post, PHC pile, Concrete |
| **Operating Wind Speed** | 18m/s(customizable) |
| **System Wind Speed** | Design according to the wind speed of the project |
| **Operating Temperature** | -30°C~70°C (customizable) |
| **Electric Parameters** | |
| **Control System** | MCU |
| **Power Supply Mode** | Grid power supply/panel self-power supply/in series power supply |
| **Communication Mode** | Wireless Lora transmission/Wired RS485 |
| **System Power Consumption** | <0.1KWH (24 hours) |
| **Strong Wind Protection** | Qualified |
| **Shadow Avoidance** | Qualified |
| **Heavy Snow Pattern** | Optional |
| **Heavy Rain Cleaning Pattern** | Optional |
| **IP Grade** | IP65 |
| **Quality Guarantee** | 12 years (2 years for electrical and drive parts) |