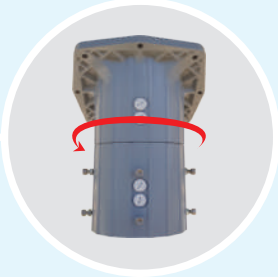


# 360 Solar Tracker

**Trouble-Free!**



**Easy installation!**

**Competitive price!**

**Strong!**

### ● SPECIFICATION

Dimension	260 x 360 x 180 mm (Inner diameter 140mm)
Weight	14.5kg / 16kg(Full set)
Rotation method	360 degree rotation (Wire-free contact method)
Material	Aluminum

### ● Features and Benefits

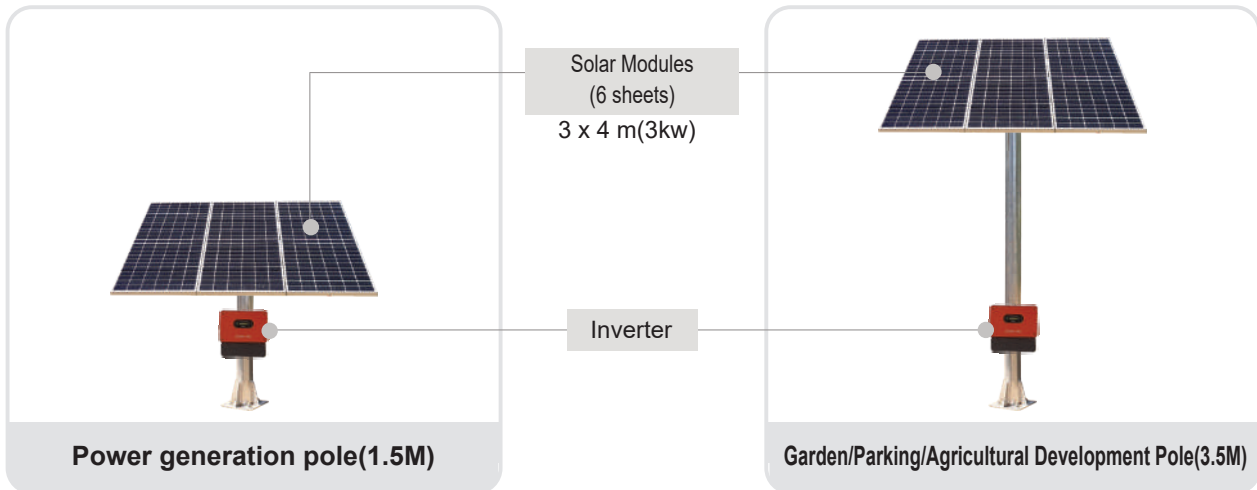
<b>Contact type rotation system</b>	<ul style="list-style-type: none"> <li>- 360° rotation with contact type</li> <li>- 30 years of rotation test completed - KTL test report (10,950 rotations)</li> <li>- Prevention of damage due to fatigue accumulation of electric wire, a problem of existing method: Failure rate ↓</li> </ul>
<b>Improved power generation efficiency</b>	<ul style="list-style-type: none"> <li>- About <b>30%↑</b> of power generation compared to fixed type with solar tracking system (KTL test certification)</li> <li>- It rotates with electricity generated by the solar panel (3-contact patent)</li> </ul>
<b>GPS + Programming Tracking-System</b>	<ul style="list-style-type: none"> <li>- It tracks the sun's path with GPS + programming: Failure rate ↓</li> <li>(Existing tracking sensors facing the sun are unreliable due to snow, dust, pollution, etc.)</li> </ul>
<b>Planetary gear compound gear</b>	<ul style="list-style-type: none"> <li>- Easy to install on a pole owing to a vertical output method.</li> <li>- Tapered gear structure without backlash (patented)</li> </ul>

### ● Certifications and Patents






# 360 Solar power generation pole

## • Type



## • Detailed specifications

Components	Standard	Characteristics
Rotating device 	- 260x360x180mm (ID: 140mm) - 14.5kg	- Contact type without wires (20-year contact lifespan guaranteed) - 360° rotation - GPS + Program control method
Solar panel 	- 500W or more(per sheet) - 2000*1000*40mm(Size changeable by manufacturer)	- CE and RoHS-certified products - High-efficiency single-crystal cell
Inverter 	- DASS 35i 3.5kW	- KS certification
Pole	- pipe $\varnothing$ 139.8	- Hot dip coating

## • Installation






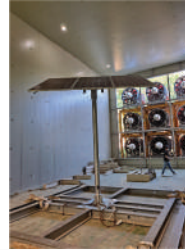













# 360 Solar power generating pole & Solar tracker test DATA

## • Test DATA

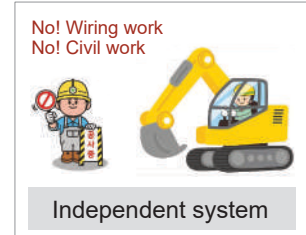
**TESTING INSTITUTION: KOREA TESTING LABORATORY**

Test product	Test items	Test method	Test results
Solar power generation pole	<b>Wind tunnel test</b>	Wind tunnel test at 30m/s by rotating the solar panel. Checked for damage after testing Zero abnormality	No damage
	<b>Generation efficiency</b>	<p>Initialized inverters are installed and operated in the solar generator with the tracking device and the solar generator without the tracking device.</p> <p>Measure the amount of power generation for 6 days and check the power generation efficiency according to the formula below</p> $\text{Power generation efficiency(\%)} = \frac{(\text{Solar tracker panel generation amount} - \text{Fixed panel power generation})}{\text{Fixed panel power generation}} \times 100$	<p>Tracking type : 97.2kWh Fixed type : 72.3kWh</p> <p><b>Power generation efficiency : 34.44%</b></p>
	    	   	<p>Fixed panel</p> <p>Solar tracker panel</p> <p>Fixed panel(72.3kWh)</p> <p>Solar tracker panel(97.2kWh)</p>






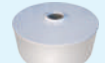

Test product	Test items	Test method	Test results
Solar tracker	<b>Contact lifespan</b>	Contact lifespan 10,950 rotations (30-year operation: 1r*365*30) Calculation of contact wear rate after rotation	Fixed axis: 6% Rotating axis: 29%
	<b>Contact resistance</b>	Measure the contact resistance before/ after 10,950 rotations	Before rotation : 0.153Ω After the test : 0.167Ω
	<b>Power consumption</b>	Measure voltage, current, and power consumption during one rotation. Actual power consumption per day : 0.954W / 2 minutes and 30 seconds	Voltage : 24.136V Current : 0.949A Power consumption : 22.898W
	   		

# 360 Solar elevating security pole

## • Benefits



## • Detailed specifications

Components	Standard	Characteristics
 Solar Tracker	- 260x360x180mm (ID : 140mm) - 14.5kg	- Contact type without wires (20-year contact lifespan guaranteed) - 360° rotation - GPS + Program control method
 Solar panel	- 300W or more - 1306*660*40mm	- CE and RoHS-certified products - High-efficiency single-crystal cell
 CCTV Lifter	- 15m moving up and down - CCTVs (SD card type) - Wireless monitoring function (WiFi)	- Completed wind tunnel test (at 30 m/s or more) - Periodic lens cleaning ensures clear images - Safe and convenient maintenance
 LED	- 50W - Efficiency : 141.5lm/W - Color rendering : 77.5	- Registration of conformity of broadcasting and communication equipment - Public Procurement Minimum Green - Dimming function
 360° sensor	- Sensing distance : 5~7 m	- LED control by detecting the motion
 Battery storage box	- Φ670*276mm, steel plate	- Used as a shelter chair - Anti-theft feature with the door not being exposed - Finished with Asa material with strong sun-resistant
 Battery (solar power exclusive)	- Over 12V-100AH 2ea - 250 charge / discharge cycles - Maintenance-free sealed battery	- Check the charging status easily (Magic eye indicator) - Preventing the inflow of external fire outbreak: Sealed cover - Use an isolation plate to prevent a short circuit
Pole	- 3.5 m, 6.0T - pipe ∅139.8	- Hot dip coating






# 360 Solar elevating security pole

## • Type

BASIC COMPONENTS : GPS, 360 SENSOR, SHELTER CHAIR

Division	Model name	Composition
Standalone Type	RT-SLL	LED50W x 1EA
	RT-SLCL	LED50W x 2EA, Solar Tracker
	RT-SLC2L	LED50W x 3EA, Solar Tracker

## • CCTV specification

Photo	Resolution	Storage method	Transmission method	Basic operation
	- 2 million pixels	- SD Card - Spare cell phone available	- WiFi (Usage amount : KT Egg 15,600 won) - LTE wired communication (LG U+ 98,000 won)	- Rotate up/down left/right - Intelligent movement tracking function - Motion recording function - Automatic return to original position upon power booting - Specified range auto-rotation shooting function - Voice transmission function (optional)

## • Applicable place



## • Applicable cases



# Safety Lifting System

**Reel tech Co., Ltd., a manufacturer specializing in various lifters.**

Reel Tech Co., Ltd. is a company that specializes in manufacturing various lifts of the highest quality with world-class patented technology and KNOW-HOW accumulated for 20 years.



## • Safety Lifting System

MSI-3	MDI-5	CSI-12	CDI-15	HSI-18	HDI-25	PSI-20	PSI-30	PDI-35	PDI-50
				Coming soon					
PFI-100	PFI-200	PFI-300	PFI-500	Highbay	LSI-10C	LSI-10L	LSI-PS	LSI-3	LDI-3
MSI-1M	MDI-5M	CSI-12M	CDI-15M	HSI-18M	HDI-25M	PSI-20M	PDI-35M	PSI-30M	PDI-50M
							Applied to all models		
MSI-1CH	MDI-5CH	CSI-7CH	CDI-12CH	HSI-12CH	HDI-25CH	FSI-1	Applied to all models	Fan Lifter	Multi Batten
BDL-2		BDL-2D		BDL-4D		Downlight Lifter	Grill Lifter	RT-LEDN150	RT-LEDN200
MSI-LN150	MSI-LN200	CSI-LN150	CSI-LN200	CSI-7D150	CSI-7D200	CSI-LH200			
RT-RCU	RT-IR	RT-WS	RT-WLS	R-WP					



#### ◆ Headquarter

REEL TECH CO., LTD. TEL : 061) 723-1113 FAX : 061) 723-4440 E-mail : reel-tech@hanmail.net <http://www.reeltech.co.kr>

#### ◆ Domestic Agency

Area	Company Name	Tel.	Fax.	Homepage	E-mail
Seoul, Incheon	reeltech Seoul Incheon Branch	032-812-4023	032-812-4024	<a href="http://www.reeltech.co.kr">www.reeltech.co.kr</a>	sbj00@hanmail.net
Kyeonggi-do	Seongwontop	010-9632-3578		<a href="http://www.reeltech.co.kr">www.reeltech.co.kr</a>	swt9876@hanmail.net
Kangwon-do, Kyeongsang-do, Woolsan, Busan	Hanbit enertech	052-991-7640~1	052-991-7642	<a href="http://www.reeltech.co.kr">www.reeltech.co.kr</a>	hb7640@daum.net
Chungcheong-do, Sejong City, Daejeon	RGB tech	070-8880-9183	050-4060-9183	<a href="http://www.reeltech.co.kr">www.reeltech.co.kr</a>	ljm99@daum.net
Jeollabuk-do	Esselenc	063-224-4694	050-4461-4694	<a href="http://www.reeltech.co.kr">www.reeltech.co.kr</a>	it0153@nate.com
Gwangju, Jeollanam-do	KStech	061-725-9964	061-724-9964	<a href="http://www.reeltech.co.kr">www.reeltech.co.kr</a>	kstech3885@hanmail.net
Jeju-island	e2z	064-748-8446	064-748-8445	<a href="http://www.reeltech.co.kr">www.reeltech.co.kr</a>	lenado@e2z.co.kr

#### ◆ Overseas Dealer (Lighting Lifter Products)

Area	Company Name	Tel.	Fax.	Homepage	E-mail
Russia	PLATAN LLC	7(495)97-000-99		<a href="http://www.platan.ru">www.platan.ru</a>	info@platan.ru
England	REELTECH UK LTD.	+44(0)1604 643522	+44(0)1604 697028	<a href="http://www.reeltechuk.com">www.reeltechuk.com</a>	enquiries@reeltechuk.com
Italy	Santenini S.r.l	+39 0331 924846	+39 0331 920606	<a href="http://www.santenini.it">www.santenini.it</a>	daniele.serventi@santenini.it
Germany	REEL TECH Vertriebs GmbH	+49(0) 6109 / 5016151	+49(0) 6109 / 5016150	<a href="http://www.reeltech.de">www.reeltech.de</a>	office@reeltech.de
Austria	REEL TECH Vertriebs GmbH	+49(0) 6109 / 5016151	+49(0) 6109 / 5016150	<a href="http://www.reeltech.de">www.reeltech.de</a>	office@reeltech.de
Switzerland	REEL TECH Vertriebs GmbH	+49(0) 6109 / 5016151	+49(0) 6109 / 5016150	<a href="http://www.reeltech.de">www.reeltech.de</a>	office@reeltech.de
Kuwait	YOUSEF AL-AHMAD INT GROUP	+965 24821302	+965 24847725	<a href="http://www.alahmedgroup.com">www.alahmedgroup.com</a>	info@alahmedgroup.com
Bahrain	Genprise Co. W.L.L.	+973 17311442	+973 17311019/17910761	<a href="http://www.genpriseco.com">www.genpriseco.com</a>	info@genpriseco.com
France	MINOEUROPE SARL	+33 6 22 70 43 45			Haemaru.ryu@minoeurope.com
Mexico	AG Lighting SA de CV	+(52) (55) 6845-6002		<a href="http://www.aglighting.mx">www.aglighting.mx</a>	contacto@aglighting.mx
Colombia	ZONA DE ENFOQUE NETWORK S.A.S	+57 314 892 53 17		<a href="http://www.reeltechcolombia.co">www.reeltechcolombia.co</a>	gerencia@reeltechcolombia.co
Iran	BHE CO.	+98 713 648 0010	+98 713 648 0011	<a href="http://www.inenop.com">www.inenop.com</a>	s.Afsar@bhe-co.com
China	SHENZHEN PHIAN	+86 755 8621 8116		<a href="http://www.nuclearscm.com">www.nuclearscm.com</a>	1309582350@qq.com
China	TIANJIN CHUANGFA TECHNOLOGY	+86 22 2368 9010			13920555675@163.com
China	Txjz(WuHan) Technology	+86 138-7123-9075			2024225975@qq.com
Hong kong	Lightcraft Limited	+852 2866 6965		<a href="http://www.lightcraftintl.com">www.lightcraftintl.com</a>	info@lightcraft.asia