

# Product brochure



[www.sztrismart.com](http://www.sztrismart.com)



## Company profile

Shenzhen Trismart Lighting Technology Co., Ltd., located in Guangming district Shenzhen city, is a research and development, design, production and sales of private high-tech enterprises. Company's management and technical team has more than 20 years' experience in the development and design of industrial lightings, professional lightings and lighting engineering systems. The chairman of the company, Dr. Chen Zhong, is the member of China Lighting Society, the Deputy Secretary General of the Shenzhen Lighting Appliance Association and a senior expert of Shenzhen Lighting Society. Trismart Lighting is a cooperative supplier of European Union led street lamps, a network supplier of Royal Shell and a network supplier of large enterprises such as Sinopec, PetroChina, State Grid and Datang Electric Power Group.

Trismart Lighting provides customers with the most reliable products as the basis of management and provides customers with intelligent and high-efficiency products to help customers reduce operating costs and management costs as a source of power for enterprise development, focusing on R & D, production and sales of smart, intelligent, high efficient, environmentally friendly led industrial lights, led high bay lights, led floodlights, led street lights and solar led street lights, and wireless remote lighting control systems based on the latest Internet of things technology, video surveillance and safety management systems, off-grid energy storage systems.

The company strictly according to the ISO 9001: 2015 quality management system for product quality control. The products have passed ATEX/IECEX international explosion-proof certification, national explosion-proof certification, TUV certification, UL certification, FCC certification, and RoHS certification. The products are exported to the European Union, Japan, Australia, Middle East, South America, Southeast Asia, Africa and other countries and regions.

### Advantages of Trismart Lighting's products:

1. Adopting Philips ultra brightness 3030 and 5050 led chip, the led lights have high luminaire efficacy, high efficiency and energy saving.

- 1) Luminaire efficacy for solar led street light: **200** lm/W
- 2) Luminaire efficacy for led street light: **200** lm/W
- 3) Luminaire efficacy for led high bay light: **180** lm/W
- 4) Luminaire efficacy for led explosion-proof light: **170** lm/W
- 5) Luminaire efficacy for led floodlight: **170** lm/W

2. Adopting the latest Internet of things technology and other wireless communication technologies to meet the wireless remote intelligent lighting control needs of various places.

- 1) 2.4G mesh wireless remote intelligent lighting control system
- 2) PLC wireless remote intelligent lighting control system
- 3) LoRaWAN/NB-IoT wireless remote intelligent lighting control system
- 4) ZigBee wireless solar led street lamp lighting control system

3. The solar lamp adopts low-temperature lithium iron phosphate battery, which can discharge reliably at -30℃ and the lifespan can reach more than 3000 cycles.

4. The unique hexagonal vertical solar panel technology can directly transform the original ordinary city circuit lamp into a solar street lamp, which is resistant to wind and sand, typhoon, snow and 360 ° all-weather charging.

5. ATEX/IECEX certificates, TUV certification, UL certification, CE/RoHS certification.



vertical solar panel led street light  
( 200 lm/W for luminaire )



solar led explosionproof light  
( 190 lm/W for luminaire )



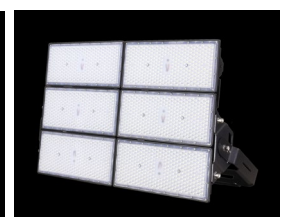
high brightness led street light  
( 200 lm/W for luminaire )



high brightness led high bay light  
( 200 lm/W for luminaire )



led explosionproof platform lighting  
( ATEX/IECEX certification )



power led stadium floodlight  
( 170 lm/W for luminaire )

## Led high bay light series

### SZG110W wireless intelligent led high bay light



Rated power: 100W/150W/200W  
Light efficiency of lamp: 160 lm/W  
Communication mode: 2.4G mesh  
Net structure: Mesh network(ADHOC)  
Max. distance: 150m(no disconnection)  
Remote control: gateway(4G/LAN)+PC/APP  
Warranty: 5 year

### SZG111 microwave led high bay light



Input voltage: 90~305Vac  
Rated power: 100W/150W/200W  
Light efficacy of lamp: 160 lm/W  
Beam angle: 60° / 90° / 120°  
Induction dimming: microwave sensor  
Maximum mounting height: 15m  
Warranty: 5 year

### SZG113 power led high bay light



Input voltage: 90~305Vac  
Rated power: 300W/400W/500W  
Luminous efficiency of led: 225-240 lm/W  
Light efficacy of lamp: 170-180 lm/W  
Beam angle: 60° / 90° / 120°  
Reflector: optional  
Warranty: 5 year

### SZG110 UFO led high bay light



Input voltage: 90~305Vac  
Rated power: 100W/150W/200W  
Luminous efficiency of led: 210 lm/W  
Light efficacy of lamp: 160 lm/W  
Beam angle: 90° / 120°  
Reflector: optional  
Warranty: 5 year

### SZG114 UFO led high bay light



Input voltage: 90~305Vac  
Rated power: 60W/100W/150W/200W  
Luminous efficiency of led: 210 lm/W  
Light efficacy of lamp: 165 lm/W  
Beam angle: 60° / 90° / 120°  
IP protection: IP66  
Warranty: 5 year

### SNF101 led high bay light



Input voltage: 90~305Vac  
Rated power: 50W/80W/100W  
Led luminous efficiency: 210-230 lm/W  
Luminous efficacy: 155-170 lm/W  
Beam angle: 150° (anti-glare cover)  
Mounting mode: G3/4 pipe/U-bracket  
Warranty: 5 year

### SZG102 UFO led high bay light

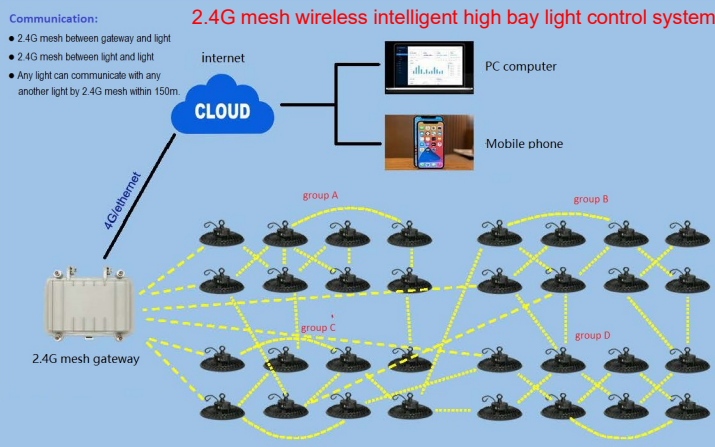


Input voltage: 90~305Vac  
Rated power: 100W/150W/200W  
Luminous efficiency of led: 210 lm/W  
Light efficacy of lamp: 160 lm/W  
Beam angle: 60° / 90° / 120°  
IP protection: IP66  
Warranty: 5 year

### SZG101 high power led high bay light



Input voltage: 90~305Vac  
Rated power: 200W/300W/400W/500W  
Luminous efficiency of led: 200 lm/W  
Beam angle: 25° / 60° / 90°  
Led driver: Inventronics/Trismart  
IP protection: IP65  
Warranty: 5 year



## Led explosionproof light series

### SZG200 led explosionproof lamp



Explosionproof mark:  $\text{Ex II 2 G Ex demb IIC T6 Gb}$   
 Rated power: 50W/100W/150W/200W  
 Light efficacy of lamp: 155-170 lm/W  
 Beam angle: 120°  
 IP protection: IP66  
 Mounting mode: G3/4 pipe/U-bracket  
 Warranty: 5 year

### SZG200 led explosionproof lamp(solar)



Explosionproof mark:  $\text{Ex II 2 G Ex demb IIC T6 Gb}$   
 Patent No: ZL 2021 2 0437042.7  
 Rated power: 40W/60W/80W  
 Explosionproof solar panel: 60-120W  
 Light efficacy of lamp: 170-190 lm/W  
 Control mode: light control+time control  
 Mounting height: 5-8 m

### WRTLE310 led explosionproof platform lamp



Explosionproof mark:  $\text{Ex II 2 GD Ex d IIB T6 Gb}$   
 Rated power: 50W-400W  
 Light efficacy of lamp: 150 lm/W  
 Beam angle: 90°-120°  
 IP protection: IP66  
 Mounting mode: U-bracket  
 Warranty: 5 year

### SZG202C led explosionproof lamp



Explosionproof mark:  $\text{Ex III 2 G Ex d IIC T6 Gb}$   
 Rated power: 55W/65W/75W  
 Luminous efficacy for lamp: 145 lm/W  
 Beam angle: 120°  
 IP protection: IP66  
 Mounting mode: G3/4 pipe /U-bracket  
 Warranty: 5 year

### SZG202C led explosionproof lamp(emergency)



Input voltage: 90~305Vac  
 Rated power: 55W (emergency 5W)  
 Emergency type: illumination emergency  
 Emergency time: Li-ion battery, 90min  
 Explosionproof mark:  $\text{Ex II 2 G Ex d IIC T6 Gb}$   
 Mounting mode: G3/4 pipe /U-bracket  
 Warranty: 3 year

### SEF380 explosionproof led floodlight



Input voltage: 90~305Vac  
 Rated power: 50~250W  
 Light efficacy of lamp: 160 lm/W  
 Beam angle: 60°/90°/120°/150°\*80°  
 Explosionproof mark:  $\text{Ex II 3G Ex ec n IIC T6}$   
 IP protection: IP66  
 Warranty: 5 year

### XQL300B explosionproof led street light



Input voltage: 90~305Vac  
 Rated power: 100W/150W/200W  
 Luminous efficacy for lamp: 150 lm/W  
 Beam angle: 130°\*60°  
 Led driver: Trismart Lighting  
 Explosionproof mark: Ex d IIC T6 Gb  
 Mounting mode:  $\phi 60$

### SEF380 led explosionproof floodlight(emergency)

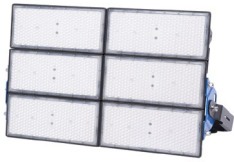


Explosionproof mark:  $\text{Ex II 3G Ex ec n IIC T6}$   
 Input voltage: 90~305Vac  
 Rated power: 55W (emergency 5W)  
 Emergency type: illumination emergency  
 Emergency time: Li-ion battery, 90min  
 Beam angle: 60°/90°/120°/150°\*80°  
 Mounting mode: G3/4 pipe /U-bracket



## Led floodlight series

### SZG307 high power led floodlight



Test report: IEC60598/ IEC 62741/LM80  
 Input voltage: 90~305Vac  
 Rated power: 250W-1500W  
 Light efficacy of luminaire: 170 lm/W  
 Beam angle: 15° /30° /60°  
 Led driver: Inventronics led driver  
 Modular power: 250W/modular  
 Warranty: 5 year

### SZG325 led stadium floodlight



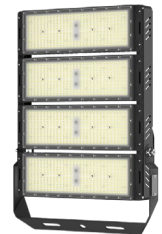
Input voltage: 90~305Vac  
 Rated power: 600W / 1200W / 1800W  
 Light efficacy of luminaire: 160 lm/W  
 Beam angle: 10° / 30° / 45° / 60°  
 Led driver: Inventronics led driver  
 IP protection: IP66  
 Test report: IEC60598/ IEC 62741/LM80  
 Warranty: 5 year

### SZG328 led high pole spotlight



Input voltage: 90~305Vac  
 Rated power: 250W-1500W  
 Light efficacy of luminaire: 165 lm/W  
 Beam angle: 15° / 30° / 60° / 90°  
 Led driver: Inventronics/Sosen  
 Modular power: 250W/modular  
 Modular angle adjustment: yes  
 IP protection: IP66

### SZG326 high power led floodlight



Input voltage: 90~305Vac  
 Rated power: 250W-1000W  
 Light efficacy of luminaire: 150 lm/W  
 Beam angle: 90°  
 Led driver: Inventronics/Trismart  
 Modular power: 250W/modular  
 IP protection: IP66  
 Warranty: 5 year

### SZG330 led square stadium floodlight



Input voltage: 90~305Vac  
 Rated power: 400W-1200W  
 Luminous efficiency of led: 210 lm/W  
 Light efficacy of luminaire: 160 lm/W  
 Beam angle: 7° /15° /30° /60°/90°/120°  
 Led driver: Inventronics/Sosen  
 IP protection: IP66  
 Warranty: 5 year

### SNF208 modular led floodlight



Input voltage: 90~305Vac  
 Rated power: 50W-400W  
 Light efficacy of luminaire: 160 lm/W  
 Beam angle: 60° /90° /120° /150°\*80°  
 Heat dissipation: radiation+air convection  
 Dark sky: meet  
 IP protection: IP66  
 Warranty: 5 year

### SZG312 led floodlight



Input voltage: 90~305Vac  
 Rated power: 100-600W(100W/modular)  
 Luminous efficiency for led: 210 lm/W  
 Light efficacy of luminaire: 160 lm/W  
 Beam angle: 30° /60° /90° /145°\*70°  
 Led driver: Inventronics/Trismart  
 IP protection: IP66  
 Warranty: 5 year

### SZG301 led floodlight



Input voltage: 90~305Vac  
 Rated power: 50-600W(50W/modular)  
 Luminous efficiency for led: 210 lm/W  
 Light efficacy of luminaire: 160 lm/W  
 Beam angle: 30° /60° /90° /145°\*70°  
 Led driver: Inventronics/Trismart  
 IP protection: IP66  
 Warranty: 5 year

### SNF101 led triproof platform lamp



Input voltage: 90~305Vac  
 Rated power: 50W/60W/80W/100W  
 Luminous efficiency of led: 210-240 lm/W  
 Light efficacy of luminaire: 155-180lm/W  
 Beam angle: 150°(anti-glare cover)  
 Mounting mode: G3/4 pipe/U-bracket  
 IP protection: IP66

### SZG306 led triproof linear light



Input voltage: 90~305Vac  
 Rated power: 20W/30W/50W/60W  
 Dimensions: 0.6m/0.9m/1.2m/1.5m  
 Luminous efficiency of led: 200 lm/W  
 IP protection: IP66  
 Mounting mode: ceiling/hoist  
 Warranty: 5 year

## Solar led street light/led garden light/led floodlight series

### SZG574V vertical solar panel led street light



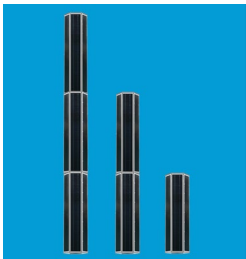
Rated power: 30W-100W/2\*80W/2\*100W  
Vertical mono solar panel: 120-600W  
Features: 360° for sunshine acception  
less accumulation of dust&snow  
Battery: low-temperature LiFePO<sub>4</sub> battery (-30℃)  
Light efficacy for luminaire: 200 lm/W  
Mounting height: 6-12m  
Warranty: 5 year

### SZG574 two in one solar led street light



Rated power: 30W/50W/65W/80W/100W  
Mono solar panel: 40W-120W  
Battery: low-temperature LiFePO<sub>4</sub> battery (-30℃)  
Light efficacy for luminaire: 200 lm/W  
Control mode: light control+time control  
Microwave sensor: optional  
Dark sky requirement: meet  
Mounting height: 5-10 m

### SZG560 vertical solar panel modular



Patent No.: ZL 2021 2 0422526.4  
Modular rated power: 120W/150W/200W  
Mono solar panel: vertical solar panel  
Sunshine angle: 360° accepted  
Dust accumulation: less  
Snow accumulation: less  
Wind resistance: good due to small area  
Mounting: replacement on old lamppost

### SZG578 auto-cleaning solar led street light



Auto-cleaning for solar panel: 3 times/day  
Rated power: 50W/65W/80W/100W  
Mono solar panel: 55-110W  
Battery: low-temperature LiFePO<sub>4</sub> battery (-30℃)  
Light efficacy for luminaire: 200 lm/W  
Control mode: light control+sensor  
Dark sky requirement: yes  
Mounting height: 6-10 m

### SZG553 all in one solar led street light



Rated power: 30W-100W  
Mono solar panel: 30W-100W  
Battery: low-temperature LiFePO<sub>4</sub> battery (-30℃)  
Luminous efficiency for led: 240 lm/W  
Light efficacy for luminaire: 200 lm/W  
Control mode: light control+sensor control  
Remote control optional: 2.4G  
Mounting height: 5-10 m

### SZG579 all-in-one solar led garden light



Rated power: 50W/60W/70W  
Mono solar panel: 50W  
Battery: low-temperature LiFePO<sub>4</sub> battery (-30℃)  
Light efficacy for luminaire: 200 lm/W  
Control mode: light control+sensor  
Dark sky requirement: yes  
Remote control optional: 2.4G  
Mounting height: 5-8 m

### SZG552 all-in-one solar led street light



Rated power: 30W-100W  
Mono solar panel: 30W-100W  
Battery: low-temperature LiFePO<sub>4</sub> battery (-30℃)  
Light efficiency for luminaire: 200 lm/W  
Control mode: light control+sensor control  
Dark sky requirement: custom made  
Remote control optional: 2.4G  
Mounting height: 5-10 m

### SZG573 all-in-one solar led street light



Rated power: 50W/70W/90W/110W  
Mono solar panel: 25W/60W/60W/60W  
Battery: low-temperature LiFePO<sub>4</sub> battery (-30℃)  
Luminous efficiency for led: 240 lm/W  
Light efficacy for luminaire: 200 lm/W  
Control mode: light control+microwave  
Angle adjustment: yes  
Mounting height: 5-8m

### SNF208S two-in-one solar led floodlight



Rated power: 45W/60W/75W  
Mono solar panel: 40W/60W/70W  
Battery: low-temperature LiFePO<sub>4</sub> battery (-30℃)  
Luminous efficiency for led: 240 lm/W  
Light efficacy for luminaire: 200 lm/W  
Control mode: light control+time control  
IP protection: IP66  
Mounting height: 5-8 m

### SZG576 all-in-one solar led garden light



Rated power: 30W  
Mono solar panel: 25W  
Battery: low-temperature LiFePO<sub>4</sub> battery (-30℃)  
Light efficacy for luminaire: 185 lm/W  
Control mode: light control+PIR sensor  
Dark sky requirement: yes  
Remote control optional: 2.4G  
Mounting height: 4-6 m

**SZG555 all-in-one solar led garden light**



Rated power: 40W  
 Mono solar panel: 48W  
 Light efficacy for luminaire: **200 lm/W**  
 Battery: **low-temperature LiFePO<sub>4</sub> battery (-30°C)**  
 Control mode: light control+microwave  
 Dark sky requirement: yes  
 Remote control: 2.4G(optional)  
 Mounting height: 7-8 m

**SZG565 all in one solar led street light**



Rated power: 50W/60W/80/100W  
 Mono solar panel: 50W-100W  
 Battery: **low-temperature LiFePO<sub>4</sub> battery (-30°C)**  
 Light efficacy for luminaire: **150 lm/W**  
 Control mode: light control+PIR control  
 Angle adjustment: yes  
 IP protection: IP66  
 Mounting height: 5-10 m

**SZG808 solar power generation emergency system**



Folding PV panel: 48W(mono solar panel)  
 Li-battery capacity: 12V50Ah/12V30Ah  
 Inverter power: 220Vac(≤350W/≤250W)  
 USB output: 2xUSB 5V/2.1A  
 DC output: 4x12VDC/5A  
 Bulb power: 1x13W+3x5W  
 Dimension: 400\*318\*235mm  
 Weight: 13.5Kg/12.5Kg

**SZG562 hawkeye solar led wall lamp**

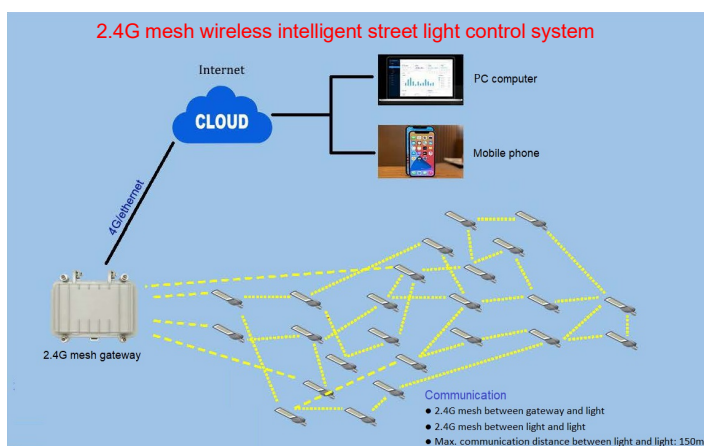


Rated power: 2W  
 Mono solar panel: 1W  
 Battery: power lithium iron phosphate  
 Luminous efficiency for led: **180 lm/W**  
 Light efficiency for luminaire: **145 lm/W**  
 Control mode: light control+PIR control  
 Mounting height: 5m~9m  
 IP protection: IP66











## Led street light series

	<p><b>SNF288 led street light</b></p> <p>Test report: IEC 60598/IEC 61000/LM79/LM80</p> <p>Rated power: 100W/150W/200W/250W</p> <p>Light efficacy of lamp: 155 lm/W</p> <p>Led driver: Inventronics/Sosen</p> <p>Heat dissipation: radiation+air convection</p> <p>Angle adjustable: -90°~+90°</p> <p>IP protection: IP66</p>	<p><b>SZG512 led street light dark sky</b></p> <p>Rated power: 75W/100W/150W/200W</p> <p>Light efficacy of lamp: 200 lm/W(5050)</p> <p>Light efficacy of lamp: 185 lm/W(3030)</p> <p>Led driver: Inventronics led driver</p> <p>Angle adjustable: -90°~+30°</p> <p>Light sensor: NEMA light sensor</p> <p>Streamlined design: no dust accumulation</p>	
	<p><b>SZG510 led street light</b></p> <p>Test report: IEC 60598/IEC 61000/LM79/LM80</p> <p>Rated power: 100W/150W/200W/250W</p> <p>Luminous efficiency of led: 200 lm/W</p> <p>Light efficacy of lamp: 155 lm/W</p> <p>Led driver: Inventronics led driver</p> <p>Cover opening: rear cover opening</p> <p>Light sensor: NEMA light sensor optional</p>	<p><b>SZG513 led street light dark sky</b></p> <p>Rated power: 75W/120W/180W/250W</p> <p>Luminous efficiency of led: 230 lm/W</p> <p>Light efficacy of luminaire: 175 lm/W</p> <p>Cover open: flip open/easy maintenance</p> <p>Angle adjustable: -90°~+30°</p> <p>Light sensor: NEMA light sensor</p> <p>Dark sky requirement: meet</p>	
	<p><b>SZG507 led street light</b></p> <p>Input voltage: 90~305Vac</p> <p>Rated power: 100W/150W/200W/250W</p> <p>Luminous efficiency of led: 200 lm/W</p> <p>Light efficacy of luminaire: 155 lm/W</p> <p>Beam angle: 140°*70°</p> <p>Led driver: Inventronics/Trismart Lighting</p> <p>IP protection: IP66</p>	<p><b>SZG508A led street light dark sky</b></p> <p>Rated power: 50W/100W/150W/200W</p> <p>Light efficacy of lamp: 165 lm/W(5050)</p> <p>Light efficacy of lamp: 155 lm/W(3030)</p> <p>Cover open: flip open/easy maintenance</p> <p>Angle adjustable: -90°~+30°</p> <p>Light sensor: NEMA light sensor</p> <p>Dark sky requirement: meet</p>	
	<p><b>SZG511 led street light</b></p> <p>Input voltage: 90~305Vac</p> <p>Rated power: 50W/100W/150W/200W</p> <p>Luminous efficiency for led: 200 lm/W</p> <p>Light efficacy of luminaire: 150 lm/W</p> <p>Beam angle: 140°*70°</p> <p>Cover opening: rear cover opening</p> <p>Light sensor: NEMA light sensor optional</p>	<p><b>SZG512W wireless intelligent led street light</b></p> <p>Rated power: 75W/100W/150W/200W</p> <p>Light efficacy of lamp: 185 lm/W(3030)</p> <p>Communication mode: 2.4G mesh</p> <p>Net structure: Mesh network(ADHOC)</p> <p>Max. distance: 150m(no disconnection)</p> <p>Remote control: gateway(4G/LAN)+PC</p> <p>Angle adjustable: -90°~+30°</p>	



## Off-grid energy storage system

	<p><b>SES1000-1500D off-grid energy storage power</b></p> <p>Output power: 1000W Peak power: 2500W Output wave: pure sine wave AC output voltage: 220~230Vac/50Hz DC output voltage: 5V / 12V LFP battery: 1000Wh Charging mode: PV charging/AC charging Communication: RS485/wifi/GPRS</p>	<p><b>SES1000-2000D off-grid energy storage power</b></p> <p>Output power: 1000W Peak power: 2500W Output wave: pure sine wave AC output voltage: 220~230Vac/50Hz DC output voltage: 5V / 12V LFP battery: 2000Wh Charging mode: PV charging/AC Communication: RS485/wifi/GPRS</p>	
	<p><b>SES2000-2500D off-grid energy storage power</b></p> <p>Output power: 2000W Peak power: 5000W Output wave: pure sine wave AC output voltage: 220~230Vac/50Hz DC output voltage: 5V / 12V LFP battery: 2500Wh Charging mode: PV charging/AC charging Communication: RS485/wifi/GPRS</p>	<p><b>SES1000-4000D off-grid energy storage power</b></p> <p>Output power: 2000W Peak power: 5000W Output wave: pure sine wave AC output voltage: 220~230Vac/50Hz DC output voltage: 5V / 12V LFP battery: 4000Wh Charging mode: PV charging/AC Communication: RS485/wifi/GPRS</p>	
	<p><b>SES3000-5000D off-grid energy storage power</b></p> <p>Output power: 3000W Peak power: 8000W Output wave: pure sine wave AC output voltage: 220~230Vac/50Hz DC output voltage: 5V / 12V LFP battery: 5000Wh Charging mode: PV charging/AC charging Communication: RS485/wifi/GPRS</p>	<p><b>SES5000-5000D off-grid energy storage power</b></p> <p>Output power: 5000W Peak power: 12500W Output wave: pure sine wave AC output voltage: 220~230Vac/50Hz DC output voltage: 5V / 12V LFP battery: 5000Wh Charging mode: PV charging/AC Communication: RS485/wifi/GPRS</p>	
	<p><b>SES5000-10000D off-grid energy storage power</b></p> <p>Output power: 5000W Peak power: 12000W Output wave: pure sine wave AC output voltage: 220~230Vac/50Hz DC output voltage: 5V / 12V LFP battery: 10000Wh Charging mode: PV charging/AC charging Communication: RS485/wifi/GPRS</p>	<p><b>SES7000-10000D off-grid energy storage power</b></p> <p>Output power: 7000W Peak power: 18000W Output wave: pure sine wave AC output voltage: 220~230Vac/50Hz DC output voltage: 5V / 12V LFP battery: 10000Wh Charging mode: PV charging/AC Communication: RS485/wifi/GPRS</p>	



## Portable and mobile lamp series



### SZG8210 smart moving lighthouse

Rated voltage: 220Vac 50Hz  
 Rated power: 4\*500W  
 Generator: 5KW Honda GX390  
 Max lifting height: 7m  
 Max oil mass: 50L for 30 hours lighting  
 IP protection: IP65  
 Tackle size: 1.35\*1.55\*2.05m  
 Weight: 600Kg

### SZG6116 led moving worklight

Battery capacity: 12.6V 13Ah  
 Light power: 35W  
 Discharge time: ≥8h  
 Lighting mode: spotlight/floodlight  
 Max lifting height: 1500m  
 Lifter: retractable and lying down  
 Dimensions: 510\*290\*220mm  
 Weight: 8Kg



### HZ6117 explosionproof moving worklight

Explosionproof mark: Ex deibmb IIC T6 Gb  
 Battery capacity: 22.2V10Ah  
 Rated power: 50W/30W  
 Discharge time: 10hrs(strong)/16hrs(weak)  
 Illumination mode: strong/middle/weak  
 spotlight/floodlight  
 Warning signal: red/blue light flicker  
 Max lifting height: 1280mm

### SZG5282 multifunctional worklight

Battery capacity: 11.1V5Ah  
 Rated power: 12W  
 Discharge time: 10hrs/20hrs/80hrs  
 Magnetic adsorption: yes  
 Electricity indicator: yes  
 Head angle: adjustable  
 Warning light: rear yellow light  
 Dimensions: φ172\*156\*210mm



### SZG7622 led strong flashlight

Battery capacity: 3.7V2.2Ah  
 Rated power: 3W  
 Discharge time: 8hrs(strong)/16hrs(weak)  
 Max range: 500m  
 Electricity indicator: yes  
 IP protection: IP66  
 Dimensions: φ35\*160mm  
 Weight: 180g

### SZG6601 inspection worklight

Battery capacity: 3.7V5Ah  
 Light power: 3W(front)/6W(side)  
 Discharge time: 8hrs/16hrs(front light)  
 4hrs/8hrs(side light)  
 Warning light: red and blue light flashing  
 Magnetic adsorption: yes  
 Electricity indicator: yes  
 Dimensions: φ47\*240mm



### SZG5133 led micro headlamp

Battery capacity: 3.7V2.2Ah  
 Rated power: 3W  
 Discharge time: 8hrs(strong)/16hrs(weak)  
 Focused focusing: telescopic adjustment  
 Head angle: adjustable  
 Cap Wear: Available  
 Electricity indicator: yes  
 Dimensions: φ78\*67\*59mm Weight: 93g

### SZG6330 portable floodlight

Battery capacity: 11.1V5Ah  
 Rated power: 12W  
 Discharge time: 10hrs/20hrs/80hrs  
 Magnetic adsorption: yes  
 Electricity indicator: yes  
 Head angle: adjustable  
 Warning light: rear yellow light  
 Dimensions: φ260\*170\*150mm



## Smart lamp/remote wireless intelligent lamp series



### sensors

- monitoring urban environment
- noise sensor
- air pollution sensor
- temperature/humidity sensor
- brightness sensors



### video surveillance

- security monitoring
- traffic monitoring
- flow monitoring



### RFID

- special crowd surveillance
- manhole monitoring
- monitoring of municipal facilities



### emergency call

- outfield extension and monitoring centre contact
- monitoring centre outfield active broadcasting

### intelligent lighting

- LoRa/NB-IoT transmission
- remote dimming
- group strategy
- fault auto alarm
- report output

### wireless network

- hot spots embedded wifi street lamps
- microbase station

### information issue

- advertisement issue
- political news
- information issue

### charging pile

- electric vehicle
- electric bicycle

### SZG620 city smart lamp

1. Intelligent street light: automatic switching, dimming, group, position, fault auto alarm, report output
  - 1) Model: SZG508A
  - 2) Input voltage: 220Vac 50-60Hz
  - 3) Power: 50W/100W/150W/200W
  - 4) Remote communication: LoRaWAN/NB-IoT
  - 5) Transmission distance: 10Km (visual) / 2Km (urban)
  - 6) Control quantities: ≥300 sets
2. Smart lamp
  - 1) video surveillance: security monitoring, license plate
  - 2) micro weather stations: monitoring urban environment, Including noise, air pollution, temperature, Humidity, brightness
  - 3) information issue: environmental aspect, weather forecast government notice, news broadcasting, traffic Induction, advertisement
  - 4) emergency call: the public in times of danger and difficulty to the regulatory authorities to call for help or find a major mystery or accident reports
  - 5) charging pile: new energy vehicle
  - 6) wireless network: hotspot wifi, micro base station
  - 7) RFID: special crowd and municipal facility monitoring
3. Background soft management and control system

### Control parts of intelligent street light:



NB-IoT slave controller



LoRaWAN gateway



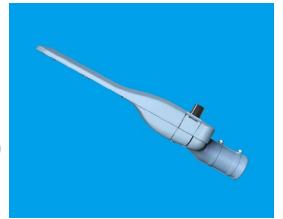

LoRaWAN slave controller /NB-IoT slave controller

### Intelligent remote circuit controller:

It integrates electric energy monitoring, overload, short circuit, overvoltage protection, remote control, network communication function and high centralized intelligent electric actuator.

- protection function: monitor output power consumption, automatically cut off power supply in abnormal condition
- automatic reclosing: realization of unattended, automatic reclosing after line recovery
- metering function: voltage and current real-time monitoring and electric energy metering
- wireless communication: with local RS485 communication and GPRS wireless communication, can achieve far away process classification control, fault query and measurement data reporting
- equipment management: with perfect fault condition monitoring (overload, short circuit, under voltage, lack of phase, phase imbalance) and real-time reporting and warning



	<p><b>SZG512W wireless intelligent led street light</b></p> <p>Rated power: 75W/150W/200W/250W              Light efficacy of lamp: 185 lm/W(3030)              Communication mode: 2.4G mesh              Net structure: Mesh network(ADHOC)              Max. distance: 150m(no disconnection)              Remote control: gateway(4G/LAN)+PC              Streamlined design: no dust accumulation</p>	<p><b>SZG508W wireless intelligent led street light</b></p> <p>Rated power: 50W/100W/150W/200W              Light efficacy of lamp: 165 lm/W              Communication mode: 2.4G mesh              Net structure: Mesh network(ADHOC)              Max. distance: 150m(no disconnection)              Remote control: gateway(4G/LAN)+PC              Angle adjustable: -90°~+30°</p>	
	<p><b>SZG110W wireless intelligent led high bay light</b></p> <p>Rated power: 100W/150W/200W              Light efficiency of lamp: 155 lm/W              Communication mode: 2.4G mesh              Net structure: Mesh network(ADHOC)              Max. distance: 150m(no disconnection)              Remote control: gateway(4G/LAN)+PC/APP              Warranty: 5 year</p>	<p><b>SZG307W wireless intelligent led floodlight</b></p> <p>Rated power: 250W-1500W              Modular power: 250W/modular              Light efficiency of lamp: 170 lm/W              Communication mode: 2.4G mesh              Net structure: Mesh network(ADHOC)              Max. distance: 150m(no disconnection)              Remote control: gateway(4G/LAN)+PC</p>	
	<p><b>SZG553Z wireless solar led street light</b></p> <p>Rated power: 60W/80W              Mono solar panel: 60W/750W              Battery: LiFePO<sub>4</sub>, 5 year's warranty              Luminous efficiency of led: 240 lm/W              Luminous efficacy of luminaire: 200 lm/W              Beam angle: 150° * 80°              Remote communication: ZigBee              Net structure: Mesh network</p>	<p><b>SZG570Z remote camera solar led street light</b></p> <p>Rated power: 80W              Mono solar panel: 120W              Battery: LiFePO<sub>4</sub>, 5 year's warranty              Camera: 1080P (external)              TF card: Max. 128G              Storage time: 30 days              Communication mode: 4G/WiFi              Operation control: mobile APP/PC</p>	



2.4G mesh ADHOC  
intelligent lighting  
control system

**Advantages:**

- 2.4G mesh wireless communication
- With mesh network structure, light and light can automatically make addressing and flexible networking. Each light is both node and relay station which can ensure no disconnection and continuous network connection.
- Maximum transmission distance: 150 meters, even for individual sections if there is a malfunction or poor communication, it can also automatically search for another one node or cross node transmission.
- Both single lamp control and group control can be carried out.
- Maximum number of supported nodes: 15000pcs
- Adopting advanced frequency hopping technology with strong anti-interference ability
- Support remote control of PC computer and mobile app
- Support on-site scene panel control
- Maximum power for single light: 2000W

## Internet of things intelligent lighting cloud control system

### ➤ Lighting status

- using a timer or light sensor to control lights on/off
- cannot remotely control the brightness of lamps to achieve the purpose of saving energy and reducing consumption
- cannot adjust the lighting operation mode according to holidays and seasons(especially seasons)
- cannot remote, real-time access to lighting operating parameters
- cannot get the lighting daily, monthly accurate energy consumption data, grasp the effect of energy conservation and emission reduction
- lamp malfunction depends on manual report
- cannot quickly and accurately determine the location of lighting fixtures

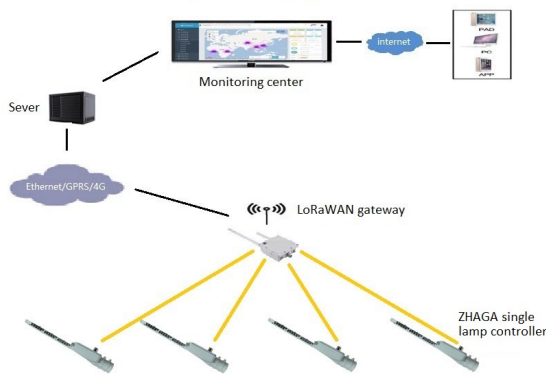
### ➤ Internet of Things based on wireless remote communication technology - LoRaWAN technology

LoRa technology is the most promising low-power wide-area communication technology. LoRa adopts the linear frequency modulation spread spectrum modulation technology and keeps maintaining low power consumption so that the communication distance and network efficiency are obviously increased, and the interference is eliminated. Even if the same frequency is used, the transmission does not interfere with each other.

LoRaWAN is an open standard that defines communication protocols based on LPWAN technology of LoRa chips. LoRaWAN is a star or star-to-star topology that is better than a mesh network because of its advantages in maintaining battery power and increasing communication range.

### ➤ Topology of LoRaWAN intelligent lighting cloud control system

LoRaWAN wireless intelligent lighting system



#### Functions and features:

- Follow the LoRaWAN wireless transmission protocol
- Support 2G/3G/4G and LAN multiple network access modes
- Adaptive Data Transfer Rate
- Output power up to 23 dBm
- Sensitivity reduced to -142.5 dBm
- Support 8 channels concurrency, can access the number of lamps up to 2000
- Maximum transmission distance: 10 Km(visual) /4 Km(urban)
- Support 470MHz/US915MHz/EU868MHz working frequencies
- Lightning grounding Protection

### ➤ LoRaWAN intelligent lighting cloud control system background management software platform

### Create the best management experience for you

The urban street lamp management system is a smart city management system based on the Internet of Things platform and unified management of urban street lamps from different angles such as time and space. The urban street lamp management system consists of street lights and cloud management platforms, distributed in various streets. Based on the GIS map integrated with the street lamp position, this visual management platform is built. The cloud can complete the real-time monitoring of the street lights in the platform, group management, and real-time policy configuration adjustment, complete the operation with one click. To improve work efficiency and reduce energy consumption, Yurzhisheng is willing to work with you to build a blue sky for urban development.

**GIS Map**

The GIS map controls all your street light data on one screen, the scene are visually viewed, and the operation is in one step, so that your management work is smooth.

**Device management**

Segment each section to quickly locate the functional locations you need, groupings, and strategies let you manage street lights more intelligently.

**Alarm**

Faulty equipment timely alarm, maintenance scheduling, fault work order multiple choices to follow up in real time, so that your faulty maintenance is no longer troublesome.

# Wireless remote intelligent monitoring led street light

## Product picture:



external 1080P camera

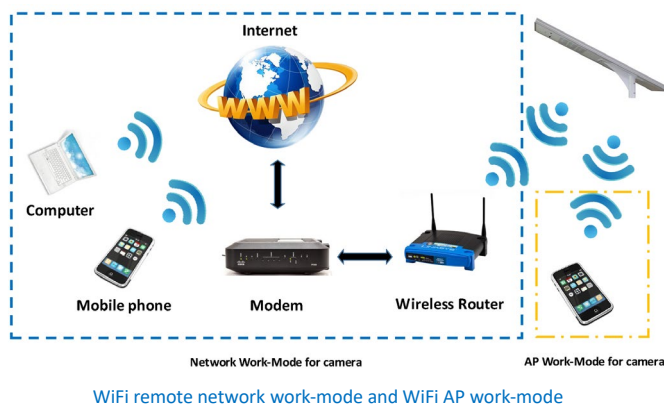
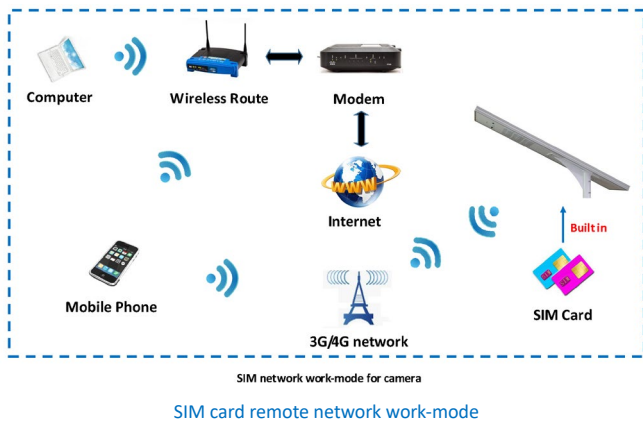


Built-in 1080P camera  
(all-in-one solar led street light)

## Monitoring video effect:



## ➤ Topology map of wireless remote intelligent monitoring illumination system



## Functional characteristics:

- With a built-in integrated wifi HD camera or a plug-in camera through wireless router or 3G/4G SIM cell phone card connecting Internet, it can remotely monitor the site situation at any time by using mobile phone or computer and download the required video data remotely from TF card.
- It is built in 1080P camera which doesn't need cable and broadband. It can video the events at the scene under the lamp and store the data in TF card automatically.
- 32G TF memory card can store data for more than 15 days. When the recording data is full, it can circularly overwrite the previous data.
- It can be used as both lighting lamp fittings and background remote online video monitoring function in the following places:  
*Urban roads, township roads and rural roads*  
*Industrial park roads*  
*factory area roads*  
*Parks and gardens*  
*Villa and a private house*  
*Commercial and cultural center*