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GONZALO DE ANDRÉS**



OFFICIAL PARTNER



CHZ-LIGHTING

SOLAR LIGHTING

(2024-2025)

Creative Lighting, Healthy Living

Profile

SHANGHAI CHZ LIGHTING CO.,LTD., established in 2013, is one of the leading manufacturers of LED lighting products in China. Our headquarter is located at Jiading of Shanghai, we have three production bases in Shanghai, Hangzhou and Ningbo city, with a total of 12,000m² plant area and 1.0M sets of LED lights' production per year.

We adhere to the idea of "technology first", and cooperate with Fudan University to continuously develop new products. Our products have covered office lighting, industrial lighting, flood lighting, stadium lighting, road lighting, and solar lighting. We offer, not only qualified lights, but also complete intelligent lighting solutions.

By continuous high investment on management and R&D, we has passed ISO9001, ISO14001, ISO45001 and ISO50001 system certifications. Meanwhile, we have got ENEC, ENEC++, CE, CB and ETL quality certifications proved by famous labs, such as TUV. Moreover, we have been rewarded lots of honors by the government, such as "National High-tech Enterprise", "Shanghai Technological Enterprise" and etc.

Our products have been exported to over 80 countries around the world and used for thousands of public projects. By high quality and excellent service, "CHZ LIGHTING" has won very good reputation in those markets. We will continue to work hard and tirelessly strive to build "CHZ LIGHTING" as one globally renowned brand.

Awards



Qualification



ISO9001



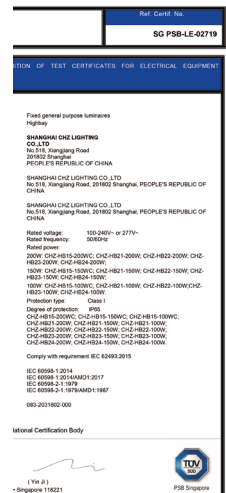
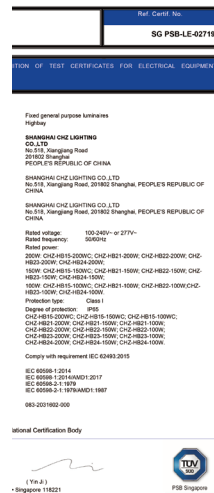
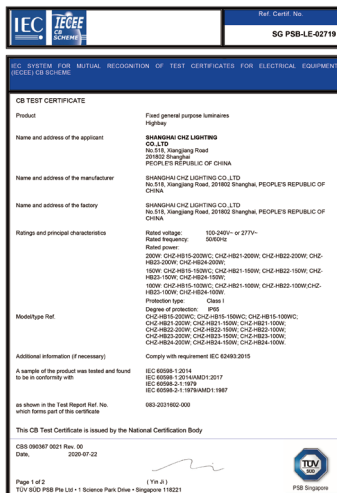
ISO14001



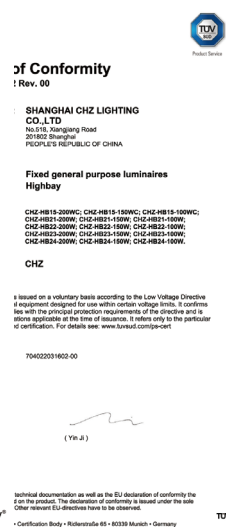
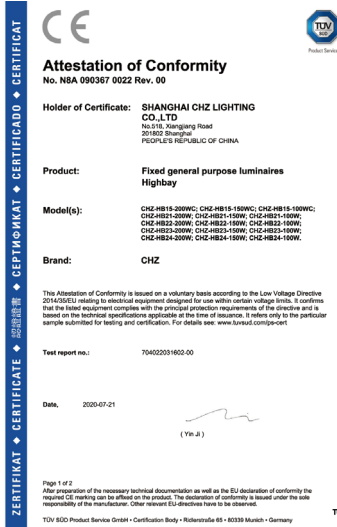
ISO45001



ISO50001



CB Certification



CE Certification

◆ Company Image



Shanghai Headquator



Europe Company



Spain Warehouse



Marketing Department



R&D Department



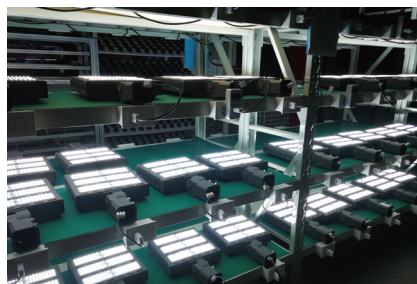
Training Meeting



Assembling line



Testing Line



Old Aging



Outdoor Development



Argentina team



Team action



Spain Team



Spain Team



Shareholder Dinner

创意照明 健康生活
Creative Lighting, Healthy Living

SOLAR LIGHTING

10W-80W



CHz[®]**Solar Lighting**

CE ROHS

◆ IST7 Series

Product Feature:

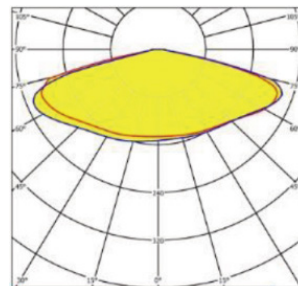
- A. Innovative, super-slim and beautiful integrated design.
- B. Mono-silicon solar panels, much higher efficiency compared to poly-silicon panels.
- C. Powerful lithium battery, cycling time is 1500 times plus, long lifetime and high security.
- D. Top SMD5050 chips, efficiency up to be 150lm/W, 50% higher than traditional chips.
- E. Infrared sensor, more sensitive to human movement, avoiding interference from others.
- F. Intelligent MPPT controller, high charging efficiency, with various protection functions.
- G. With functions of light control, human infrared sensor, bluetooth APP and patchway indicator.

Application:

Widely used in the public area lighting branch, industrial areas, parks, gardens, squares and so on.

Technical Parameters:

Model No.	Power (W)	LED TYPE	LED's (pcs)	Solar Panel	Lithum Battery	Sensor	Dimming	Lumen (LM/W)	Beam Angle	IP	Pole Dia(mm)	Product Size(mm)		
												L	W	H
IST7-5030	30	SMD5050	42	50W/18V	260WH/11.1V	PIR	Time+Sensor	>150	TYPE V-S	IP66	φ60	925	360	270
IST7-6040	40	SMD5050	42	60W/18V	317WH/11.1V	PIR	Time+Sensor	>150	TYPE V-S	IP66	φ60	1105	360	270
IST7-7050	50	SMD5050	60	70W/18V	346WH/11.1V	PIR	Time+Sensor	>150	TYPE V-S	IP66	φ60	1250	360	270
IST7-8060	60	SMD5050	60	80W/18V	404WH/11.1V	PIR	Time+Sensor	>150	TYPE V-S	IP66	φ60	1430	360	270
IST7-9070	70	SMD5050	84	90W/18V	462WH/11.1V	PIR	Time+Sensor	>150	TYPE V-S	IP66	φ60	1575	360	270
IST7-9080	80	SMD5050	84	90W/18V	520WH/11.1V	PIR	Time+Sensor	>150	TYPE V-S	IP66	φ60	1575	360	270
IST7-1010	100	SMD5050	126	100W/18V	693WH/11.1V	PIR	Time+Sensor	>150	TYPE V-S	IP66	φ60	1755	360	270
IST7-1212	120	SMD5050	126	120W/18V	808WH/11.1V	PIR	Time+Sensor	>150	TYPE V-S	IP66	φ60	1965	360	270



TYPE V

ROHS CE

CHz[®]

Solar Lighting



IST9 Series

Product Feature:

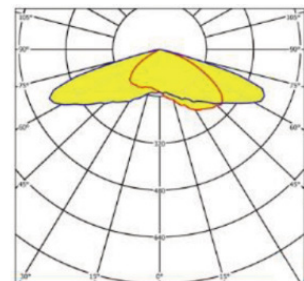
- A. The overall design is compact and the structure is novel; the protection level of the whole lamp is high, reaching IP66.
- B. The installation method is the same as the conventional street lamp; and no additional cable is needed, which is very simple and the installation cost is low.
- C. Using SMD5050 LED chips, color temperature 4000-6500K optional; light efficacy is up to 160LM/W or more.
- D. Built-in microwave sensor, can realize intelligent switch, save energy to the greatest extent, extend working time. Two working models for options: 1) 4 hours full power + 8 hours microwave induction (100% of people, 30% of people); 2) 12hour microwave induction (100% of people and 30% of people), for different applications.

Application:

Widely used in the public area lighting branch, industrial areas, parks, gardens, squares and etc.

Technical Parameters:

Model No.	Power (W)	LED TYPE	Solar Panel	Lithum Battery	Sensor	Dimming	Lumen (LM/W)	Beam Angle	IP	Pole Dia(mm)	Product Size(mm)		
											L	W	H
IST9-3020	30	SMD5050	30W/18V	20AH/12.8V	Motion/PIR	Time+Sensor	>160	TYPE II-S	IP66	φ60	750	257	102
IST9-3030	30	SMD5050	30W/18V	30AH/12.8V	Motion/PIR	Time+Sensor	>160	TYPE II-S	IP66	φ60	750	257	102
IST9-5040	40	SMD5050	50W/18V	40AH/12.8V	Motion/PIR	Time+Sensor	>160	TYPE II-S	IP66	φ60	945	298	126
IST9-5050	50	SMD5050	50W/18V	50AH/12.8V	Motion/PIR	Time+Sensor	>160	TYPE II-S	IP66	φ60	945	298	126



TYPE II

CHZ[®]

Solar Lighting

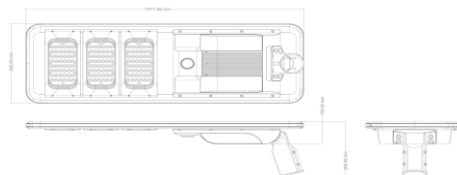
CE ROHS



IST11 Series

Product Feature:

- A. Designed by a professional industrial design team, integrating solar panels, led sources, controller, battery, human body induction, and housing.
- B. Adjustable angle mounting bracket, suitable for a variety of modeling lamp pole installation methods.
- C. Intelligent power adjustment, automatic weather judgment, reasonable planning of discharge rules.
- D. Intelligent charging and discharging management, soft and hard double protection of charging and discharging and intelligent equalization technology, battery cycles more than 2000 times.
- E. Smart remote control, equipped with drone remote control, ultra-long remote control distance of 30 meters, can pass through obstacles, and can set four lighting modes at will.
- F. High-efficiency LED chips can reach 170LM/W, which is more than twice the average brightness of ordinary LED light sources, with a luminous angle of 140 degrees, and a wider irradiation area.
- G. The whole lamp adopts modular minimalist design, easy disassembly, installation, and transportation.



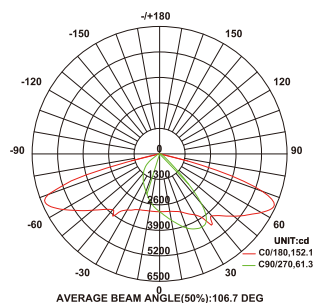
CHZ-IST11-50W/60W

Application:

Widely used in branch roads, streets, and factory roads, parks, villages, mountainous and remote areas, lighting projects, courtyards, schools, squares and other places that require outdoor lighting, helping domestic traditional lighting to upgrade to LED green new energy lighting Replace.

Technical Parameters:

Model No.	Power (W)	LED TYPE	LED's (pcs)	Solar Panel	Lithium Battery	Sensor	Dimming	Lumen (LM/W)	Beam Angle	IP	Product Size(mm)		
											L	W	H
IST11-40	40	SMD3030	96	65W/18V	27AH/12.8V	Motion	Time+Sensor	>170	TYPE I	IP65	849	386	108
IST11-50	50	SMD3030	144	70W/18V	36AH/12.8V	Motion	Time+Sensor	>170	TYPE I	IP65	1078	386	108
IST11-60	60	SMD3030	144	80W/18V	42AH/12.8V	Motion	Time+Sensor	>170	TYPE I	IP65	1078	386	108
IST11-80	80	SMD3030	192	100W/18V	57AH/12.8V	Motion	Time+Sensor	>170	TYPE I	IP65	1549	386	108
IST11-100	100	SMD3030	240	130W/18V	63AH/12.8V	Motion	Time+Sensor	>170	TYPE I	IP65	1863	386	108
IST11-120	120	SMD3030	288	140W/18V	72AH/12.8V	Motion	Time+Sensor	>170	TYPE I	IP65	1863	386	108
IST11-150	150	SMD3030	288	160W/18V	81AH/12.8V	Motion	Time+Sensor	>170	TYPE I	IP65	1863	386	108



TYPE II



ROHS CE

CHz[®]

Solar Lighting



❖ DST2 Series

Product Feature:

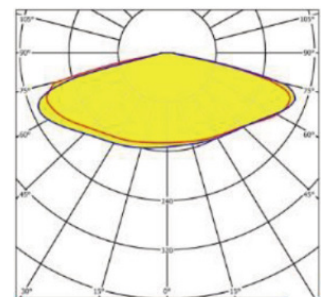
- A. Innovative, simple and beautiful all-in-two integrated design.
- B. Mono-silicon solar panels, much higher efficiency compared to poly-silicon panels.
- C. Powerful lithium battery, cycling time is 1500 times plus, long lifetime and high security.
- D. Top SMD5050 chips, up to be 150lm/W, much higher than traditional chips 120lm/W.
- E. Infrared sensor, more sensitive to human movement, avoiding interference from others.
- F. Intelligent MPPT controller, high charging efficiency, with various protection functions.
- G. With functions of light control, human infrared sensor, bluetooth APP and patchway indicator.

Application:

Widely used in the public area lighting branch, industrial areas, parks, gardens, squares and so on.

Technical Parameters:

Model No.	Power (W)	LED TYPE	Solar Panel	Lithum Battery	Sensor	Control	Lumen (LM/W)	Beam Angle	Pole Dia(mm)	Pole Height
DST2-4030	30	SMD5050	50W/18V	233WH/11.1V	PIR	Sensor+APP	>150	TYPE V-S	φ60	5-7m
DST2-5040	40	SMD5050	50W/18V	289WH/11.1V	PIR	Sensor+APP	>150	TYPE V-S	φ60	6-8m
DST2-6050	50	SMD5050	70W/18V	344WH/11.1V	PIR	Sensor+APP	>150	TYPE V-S	φ60	6-9m
DST2-7060	60	SMD5050	70W/18V	400WH/11.1V	PIR	Sensor+APP	>150	TYPE V-S	φ60	7-10m



TYPE V

CHz[®]

Solar Lighting

CE ROHS

❖ DST3 Series



Product Feature:

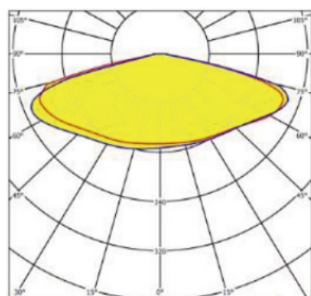
- A. Innovative, simple and beautiful integrated design.
- B. Modular light source, high luminous efficiency, low assembly costs.
- C. Mono-silicon solar panel, with higher efficiency compared to poly-silicon type.
- D. Long-life Li-NCM battery, with longer life and better environmental protection.
- E. PIR sensor, the distance can be 8-10m, according to different distance requirement.
- F. Intelligently adjust lumen output by 100%~20%, according to time and site personnel situation.
- G. IP66 protection class, reliable performance, extending lifetime to 30,000 hours, 3 years warranty.

Application:

Widely used in the public area lighting branch, industrial areas, parks, gardens and squares.

Technical Parameters:

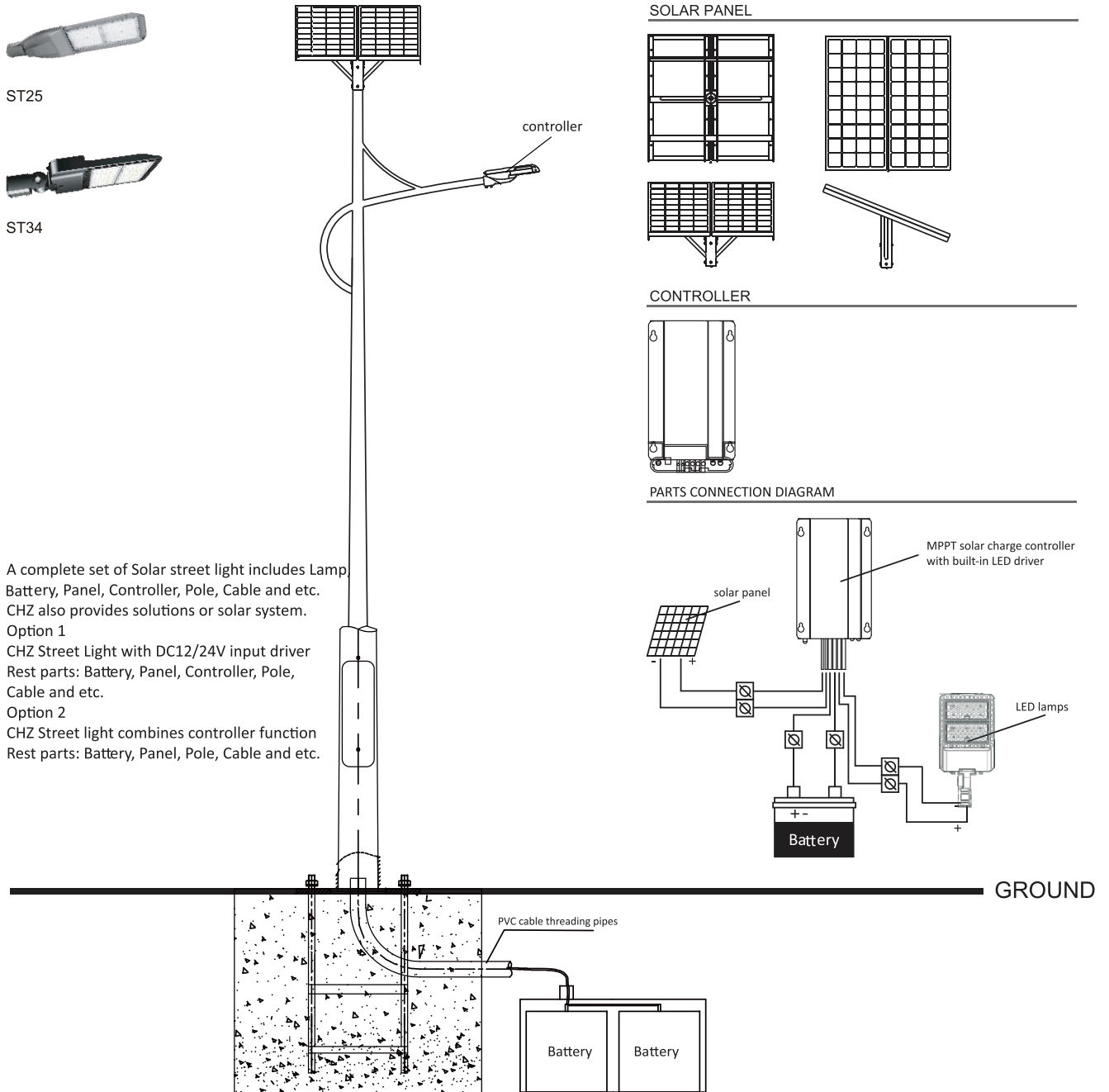
Model No.	Power (W)	LED TYPE	Solar Panel	Lithum Battery	Sensor	Control	Lumen (LM/W)	Beam Angle	Pole Dia(mm)	Pole Height
DST2-4030	40	SMD3030	35W/18V	115WH/11.1V	PIR	Sensor+APP	>150	TYPE V-S	φ60	6-8m
DST2-5040	60	SMD3030	50W/18V	173WH/11.1V	PIR	Sensor+APP	>150	TYPE V-S	φ60	7-9m
DST2-6050	80	SMD3030	65W/18V	231WH/11.1V	PIR	Sensor+APP	>150	TYPE V-S	φ60	8-10m



TYPE V



Seperated Solar Light System

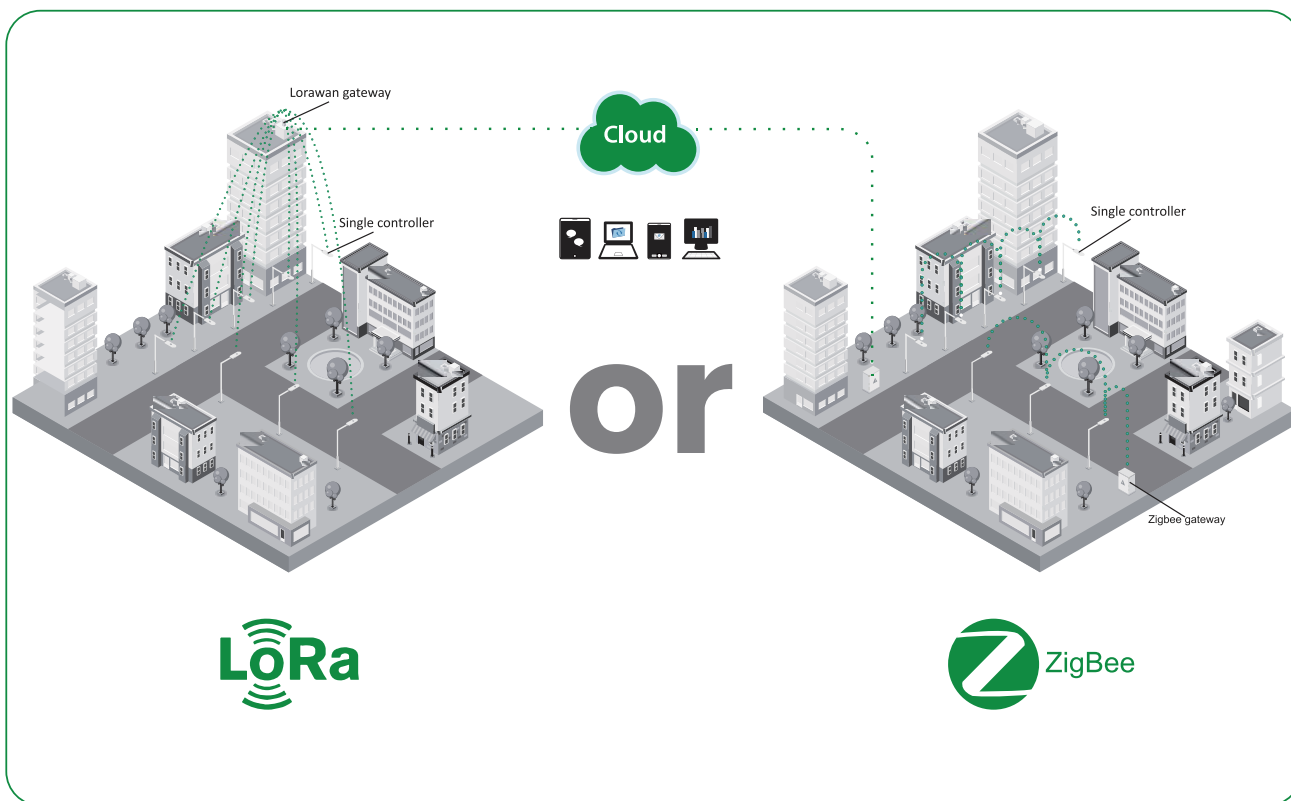


Customized service

Due to each city has its own sunshine condition, and customers have different working hours and rainy days on request.

If you want to know more exact configuration, please contact us for below questions:

1. What is the geographical location your solar LED street lighting system will be installed?
2. How many hours per night the LED street light works?
3. How many days to backup in case of continuous rainy days?
4. Do you need dimming the LED street light (during the off-peak hours)?
5. Do you have any other requirements?



Intelligent Control System

CHZ provides a total solution for intelligence street lighting system.

CHZ street light intelligence system is made up by software, gateway, single light controller. The gateway is installed in the distribution cabinet, the single light controller is installed in the lighting terminal. It proceeds with communication via GPRS/4G LITE wireless network or cable network & monitor center and proceeds with communication via ZIGBEE/ LORA.

Gateway can control each single light controller via receiving, executing, forwarding PC management software, which can control each lamp's switching on/ off or dimming, then save electric energy. It can also monitor the lamps' electric energy to achieve failure lamps function. Gateway can built-in DO to achieve street light loop control, it can connect with other equipment to collect local illumination, temperature and other information, feedback to PC management software and achieve to monitor the current information.

At present, all our series of LED street lights can be combined with the intelligence street lighting system...

If you want to know more, please contact CHZ Team.



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