

nct

2023/2024

SOLAR STREET LIGHT



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<p>YZCT</p> 	<p>BK1</p> 	<p>DJCT</p> 	<p>DJJC</p> 
<p>GMCT</p> 	<p>GMCG</p> 	<p>GMFM</p> 	<p>YTJCK</p> 
<p>YTJ CZ</p> 	<p>WZFM</p> 	<p>CTFM</p> 	<p>TYD</p> 
<p>TURIN</p> 	<p>NCTP</p> 	<p>CONTROLLER</p> 	<p>SOLAR PV</p> 
<p>BATTERY</p> 	<p>LED MODULE</p> 	<p>HARDWARE</p> 	<p>MANUALS</p> 



YZCT

Features

1. Integrated patent design, Aluminum alloy die-casting and surface spaying process
2. Not only supreme design, but also anti-corrosion and waterproof IP65
3. Own designed charge control unit with high recycle Lifepo4 Battery, stands high temperature, no explosion and safety
4. Adopt Cree/Philips LED chips 3030/5050, >180 lm/w
5. Choose Mono solar panel, >22% charging efficiency
6. Patent PC len design, lighting angle up to 140* 70, illumination range with much more wide, more bright and more uniform
7. MPPT charging, Microwave/PIR/Timer/Photocell sensor, Smart and save more energy
8. Individual battery pack inside, easy assemble, convenient maintenance
9. No cabling required, easy to install
10. 3 years warranty

YZCT



Specification

Parameters	NCT-YZCT-40W	NCT-YZCT-60W	NCT-YZCT-80W
LED Power	40W	50W	60W
Lumens	180-200 lm/w		
Beam Angle	PC Lens, 80*150		
LED Color Temperature	2700K-6500K		
Mono Solar Panel	671*336mm	820*336mm	1070*336mm
	40W	50W	70W
Solar Controller Type	MPPT		
Lifepo4 Battery Capacity (Specified)	160Wh	192Wh	228Wh
Charging Time	6~8 hours		
Housing Material	Aluminum Alloy		
Lighting Time	7~10 days		
Operating Temperature	-20C~65°C .		
Lighting Mode	PIR/Timer/Mircowave/IOT/OEM		
Pole Diameter	60~76mm/89mm		
Certificated	CE, Rohs, IP65, IEC62619, IEC61215		
Product Dimension(mm)	697x361x209	846x361x209	1096x361x209
Application	Projects, street, urban, industrial, Sports ect.		

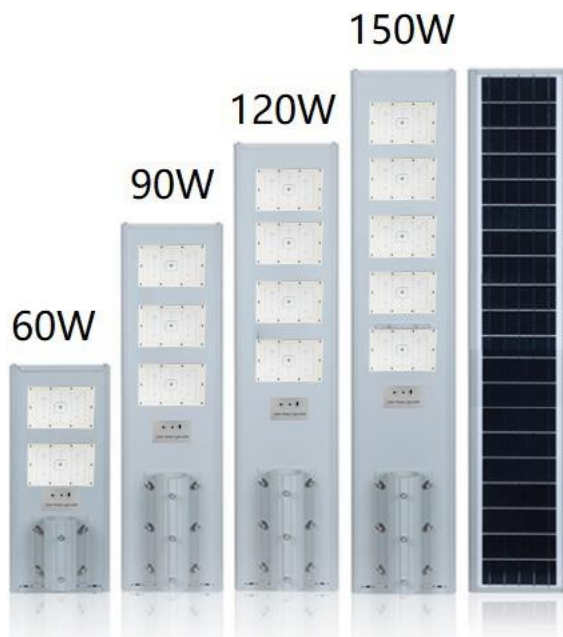


BK1

Features

1. Integrated patent design, Aluminum alloy die-casting.
2. Anti-corrosion and waterproof IP65
3. Smart lighting system to ensure working every night
4. Own designed charge control unit with high recycle Lifepo4 Battery, stands high temperature, no explosion and safety
5. Adopt 3030 LED chips, >180 lm/w
6. Choose Mono solar panel, >22% charging efficiency
7. Patent len design, lighting angle up to 140* 70, illumination range with much more wide, more bright and more uniform
8. PWM charging, Timer/Photocell sensor, Smart and save more energy
9. Individual battery pack inside, easy assemble, convenient maintenance
10. No cabling required, easy to install

BK1



Specification

Parameters	NCT-BK1-60W	NCT- BK1-90W	NCT- BK1-120W	NCT- BK1-150W
LED Power	60W	90W	120W	150W
Lumens	180-200 lm/w			
Beam Angle	PC Lens, 80°150			
LED Color Temperature	6000K			
Mono Solar Panel	550*210mm	650*210mm	776*210mm	960*210mm
	25W	30W	35W	40W
Solar Controller Type	PWM			
Lifepo4 Battery Capacity (Specified)	20000mAh	30000mAh	40000mAh	50000mAh
Charging Time	6~8 hours			
Housing Material	Aluminum Alloy			
Lighting Time	7~10 days			
Operating Temperature	-20C~65°C .			
Lighting Mode	Timer/Photocell			
Pole Diameter	60mm			
Certificated	CE, Rohs, IP65, IEC62619, IEC61215			
Product Dimension(mm)	560x220x50	660x220x50	780x210x50	970x210x50
Application	Country lane, house use, small garden ect.			



DJCT

Features

1. Integrated patent design, Aluminum alloy die-casting and surface spaying process
2. Not only supreme design, but also anti-corrosion and waterproof IP65
3. Own designed charge control unit with high recycle Lifepo4 Battery, stands high temperature, no explosion and safety
4. Adopt Cree/Philips LED chips 3030/5050, >180 lm/w
5. Choose Mono solar panel, >22% charging efficiency
6. Patent PC len design, lighting angle up to 140* 70, illumination range with much more wide, more bright and more uniform
7. MPPT charging, Microwave/PIR/Timer/Photocell sensor, Smart and save more energy
8. Individual battery pack inside, easy assemble, convenient maintenance
9. No cabling required, easy to install
10. 3 years warranty

DJCT



Specification

Parameters	NCT-DJCT-40W	NCT-DJCT-60W	NCT-DJCT-80W	NCT-DJCT-100W	NCT-DJCT-120W	NCT-DJCT-150W
LED Power	40W	60W	80W	100W	120W	150W
Lumens	180-200 lm/w					
Beam Angle	PC Lens, 80°*150					
LED Color Temperature	2700K-6500K					
Mono Solar Panel	820x335mm	1070x335mm	1300x335mm	1470x335mm	1640x335mm	1750x335mm
	50W	75W	95W	110W	130W	150W
Solar Controller Type	MPPT					
Lifepo4 Battery Capacity (Specified)	192WH	228WH	320WH	384WH	480WH	512WH
Charging Time	6~8 hours					
Housing Material	Aluminum Alloy					
Lighting Time	7~10 days					
Operating Temperature	-20C~65°C .					
Lighting Mode	PIR/Timer/Mircowave/IOT/OEM					
Pole Diameter	60~76mm/89mm					
Certificated	CE, Rohs, IP65, IEC62619, IEC61215					
Product Dimension(mm)	872x387x68	1122x387x68	1352x387x68	1522x387x68	1692x387x68	1802x387x68
Application	Projects, street, urban, industrial, Sports ect.					



DJJC

Features

1. Integrated patent design, Aluminum alloy die-casting and surface spaying process
2. Not only supreme design, but also anti-corrosion and waterproof IP65
3. Own designed charge control unit with high recycle Lifepo4 Battery, stands high temperature, no explosion and safety
4. Adopt Cree/Philips LED chips 3030/5050, >180 lm/w
5. Choose Mono solar panel, >22% charging efficiency
6. Patent PC len design, lighting angle up to 140* 70, illumination range with much more wide, more bright and more uniform
7. MPPT charging, Microwave/PIR/Timer/Photocell sensor, Smart and save more energy
8. Individual battery pack inside, easy assemble, convenient maintenance
9. No cabling required, easy to install
10. 3 years warranty



Specification

Parameters	NCT-DJJC-40W	NCT-DJJC-60W	NCT-DJJC-80W	NCT-DJJC-100W	NCT-DJJC-120W	NCT-DJJC-150W
LED Power	40W	60W	80W	100W	120W	150W
Lumens	180-200 lm/w					
Beam Angle	PC Lens, 80°*150					
LED Color Temperature	2700K-6500K					
Mono Solar Panel	820x335mm	1070x335mm	1300x335mm	1470x335mm	1640x335mm	1750x335mm
	50W	75W	95W	110W	130W	150W
Solar Controller Type	MPPT					
Lifepo4 Battery Capacity (Specified)	192WH	228WH	320WH	384WH	480WH	512WH
Charging Time	6~8 hours					
Housing Material	Aluminum Alloy					
Lighting Time	7~10 days					
Operating Temperature	-20C~65°C .					
Lighting Mode	PIR/Timer/Mircowave/IOT/OEM					
Pole Diameter	60~76mm/89mm					
Certificated	CE, Rohs, IP65, IEC62619, IEC61215					
Product Dimension(mm)	872x387x68	1122x387x68	1352x387x68	1522x387x68	1692x387x68	1802x387x68
Application	Projects, street, urban, industrial, Sports ect.					



GMCT

Features

1. Integrated patent design, Aluminum alloy die-casting and surface spaying process
2. Not only supreme design, but also anti-corrosion and waterproof IP65
3. Own designed charge control unit with high recycle Lifepo4 Battery, stands high temperature, no explosion and safety
4. Adopt Cree/Philips LED chips 3030/5050, >180 lm/w
5. Choose Mono solar panel, >22% charging efficiency
6. Patent PC len design, lighting angle up to 140* 70, illumination range with much more wide, more bright and more uniform
7. MPPT charging, Microwave/PIR/Timer/Photocell sensor, Smart and save more energy
8. Individual battery pack inside, easy assemble, convenient maintenance
9. No cabling required, easy to install
10. 3 years warranty



Specification

Parameters	NCT-GMCT-40W	NCT-GMCT-60W	NCT-GMCT-80W	NCT-GMCT-100W	NCT-GMCT-120W
LED Power	40W	60W	80W	100W	120W
Lumens	180-200 lm/w				
Beam Angle	PC Lens, 80*150				
LED Color Temperature	2700K-6500K				
Mono Solar Panel	680x398mm	820x398mm	1070x398mm	1300x398mm	1470x398mm
	50W	75W	90W	115W	150W
Solar Controller Type	MPPT				
Lifepo4 Battery Capacity (Specified)	192WH	228WH	320WH	384WH	460.8WH
Charging Time	6~8 hours				
Housing Material	Aluminum Alloy				
Lighting Time	7~10 days				
Operating Temperature	-20C~65°C .				
Lighting Mode	PIR/Timer/Mircowave/IOT/OEM				
Pole Diameter	60~76mm/89mm				
Certificated	CE, Rohs, IP65, IEC62619, IEC61215				
Product Dimension(mm)	690X420X50	830x420x50	1080x420x50	1310x420x50	1480x420x50
Application	Projects, street, urban, industrial, Sports ect.				



GMCG

Features

1. Integrated patent design, Aluminum alloy die-casting and surface spaying process
2. Not only supreme design, but also anti-corrosion and waterproof IP65
3. Own designed charge control unit with high recycle Lifepo4 Battery, stands high temperature, no explosion and safety
4. Adopt Cree/Philips LED chips 3030/5050, >180 lm/w
5. Choose Mono solar panel, >22% charging efficiency
6. Patent PC len design, lighting angle up to 140* 70, illumination range with much more wide, more bright and more uniform
7. MPPT charging, Microwave/PIR/Timer/Photocell sensor, Smart and save more energy
8. Individual battery pack inside, easy assemble, convenient maintenance
9. No cabling required, easy to install
10. 3 years warranty



Specification

Parameters	NCT-GMCG-40W	NCT-GMCG-60W	NCT-GMCG-80W	NCT-GMCG-100W	NCT-GMCG-120W
LED Power	40W	60W	80W	100W	120W
Lumens	180-200 lm/w				
Beam Angle	PC Lens, 80°150				
LED Color Temperature	2700K-6500K				
Mono Solar Panel	680x398mm	820x398mm	1070x398mm	1300x398mm	1470x398mm
	50W	75W	90W	115W	150W
Solar Controller Type	MPPT				
Lifepo4 Battery Capacity (Specified)	192WH	228WH	320WH	384WH	460.8WH
Charging Time	6~8 hours				
Housing Material	Aluminum Alloy				
Lighting Time	7~10 days				
Operating Temperature	-20C~65°C .				
Lighting Mode	PIR/Timer/Mircowave/IOT/OEM				
Pole Diameter	60~76mm/89mm				
Certificated	CE, Rohs, IP65, IEC62619, IEC61215				
Product Dimension(mm)	690X420X50	830x420x50	1080x420x50	1310x420x50	1480x420x50
Application	Projects, street, urban, industrial, Sports ect.				



GMFM

Features

1. Integrated patent design, Aluminum alloy die-casting and surface spaying process
2. Not only supreme design, but also anti-corrosion and waterproof IP65
3. Own designed charge control unit with high recycle Lifepo4 Battery, stands high temperature, no explosion and safety
4. Adopt Cree/Philips LED chips 3030/5050, >180 lm/w
5. Choose Mono solar panel, >22% charging efficiency
6. Patent PC len design, lighting angle up to 140* 70, illumination range with much more wide, more bright and more uniform
7. MPPT charging, Microwave/PIR/Timer/Photocell sensor, Smart and save more energy
8. Individual battery pack inside, easy assemble, convenient maintenance
9. No cabling required, easy to install
10. 3 years warranty



GMFM



Specification

Parameters	NCT-GMFM-40W	NCT-GMFM-60W	NCT-GMFM-80W	NCT-GMFM-100W	NCT-GMFM-120W
LED Power	40W	60W	80W	100W	120W
Lumens	180-200 lm/w				
Beam Angle	PC Lens, 80°150				
LED Color Temperature	2700K-6500K				
Mono Solar Panel	680x398mm	820x398mm	1070x398mm	1300x398mm	1470x398mm
	50W	75W	90W	115W	150W
Solar Controller Type	MPPT				
Lifepo4 Battery Capacity (Specified)	192WH	228WH	320WH	384WH	460.8WH
Charging Time	6~8 hours				
Housing Material	Aluminum Alloy				
Lighting Time	7~10 days				
Operating Temperature	-20C~65°C .				
Lighting Mode	PIR/Timer/Mircowave/IOT/OEM				
Pole Diameter	60~76mm/89mm				
Certificated	CE, Rohs, IP65, IEC62619, IEC61215				
Product Dimension(mm)	690X420X50	830x420x50	1080x420x50	1310x420x50	1480x420x50
Application	Projects, street, urban, industrial, Sports ect.				



YTJCK

Features

1. Integrated patent design, Aluminum alloy die-casting and surface spaying process
2. Not only supreme design, but also anti-corrosion and waterproof IP65
3. Own designed charge control unit with high recycle Lifepo4 Battery, stands high temperature, no explosion and safety
4. Adopt Cree/Philips LED chips 3030/5050, >180 lm/w
5. Choose Mono solar panel, >22% charging efficiency
6. PC len design, lighting angle up to 140* 70, illumination range with much more wide, more bright and more uniform
7. MPPT charging, Microwave/PIR/Timer/Photocell sensor, Smart and save more energy
8. Individual battery pack inside, easy assemble, convenient maintenance
9. No cabling required, easy to install
10. 3 years warranty



Specification

Parameters	NCT-YTJCK-40W	NCT-YTJCK-60W	NCT-YTJCK-80W	NCT-YTJCK-100W	NCT-YTJCK-120W
LED Power	40W	60W	80W	100W	120W
Lumens	180-200 lm/w				
Beam Angle	PC Lens, 80°*150				
LED Color Temperature	2700K-6500K				
Mono Solar Panel	680x331mm	820x331mm	1070x331mm	1300x331mm	1470x331mm
	40W	50W	75W	95W	110W
Solar Controller Type	MPPT				
Lifepo4 Battery Capacity (Specified)	160WH	192WH	288WH	320WH	384WH
Charging Time	6~8 hours				
Housing Material	Aluminum Alloy				
Lighting Time	7~10 days				
Operating Temperature	-20C~65°C .				
Lighting Mode	PIR/Timer/Mircowave/IOT/OEM				
Pole Diameter	60~76mm/89mm				
Certificated	CE, Rohs, IP65, IEC62619, IEC61215				
Product Dimension(mm)	815x380x75	955x380x75	1205x380x75	1435x380x75	1605x380x75
Application	Projects, street, urban, industrial, Sports ect.				



YTJCZ

Features

1. Integrated patent design, Aluminum alloy die-casting and surface spaying process
2. Not only supreme design, but also anti-corrosion and waterproof IP65
3. Own designed charge control unit with high recycle Lifepo4 Battery, stands high temperature, no explosion and safety
4. Adopt Cree/Philips LED chips 3030/5050, >180 lm/w
5. Choose Mono solar panel, >22% charging efficiency
6. PC len design, lighting angle up to 140* 70, illumination range with much more wide, more bright and more uniform
7. MPPT charging, Microwave/PIR/Timer/Photocell sensor, Smart and save more energy
8. Individual battery pack inside, easy assemble, convenient maintenance
9. No cabling required, easy to install
10. 3 years warranty



Specification

Parameters	NCT-YTJCZ-40W	NCT-YTJCZ-60W	NCT-YTJCZ-80W
LED Power	40W	60W	80W
Lumens	180-200 lm/w		
Beam Angle	PC Lens, 80°*150		
LED Color Temperature	2700Z-6500Z		
Mono Solar Panel	1055x170mm	1492x170mm	1792x170mm
	40W	50W	65W
Solar Controller Type	MPPT		
Lifepo4 Battery Capacity	128WH	160WH	192WH
(Specified)			
Charging Time	6~8 hours		
Housing Material	Aluminum Alloy		
Lighting Time	7~10 days		
Operating Temperature	-20C~65°C .		
Lighting Mode	PIR/Timer/Mircowave/IOT/OEM		
Pole Diameter	60~76mm/89mm		
Certificated	CE, Rohs, IP65, IEC62619, IEC61215		
Product Dimension(mm)	1150x215x60	1587x215x60	1887x215x60
Application	Projects, street, urban, industrial, Sports ect.		



WZFM

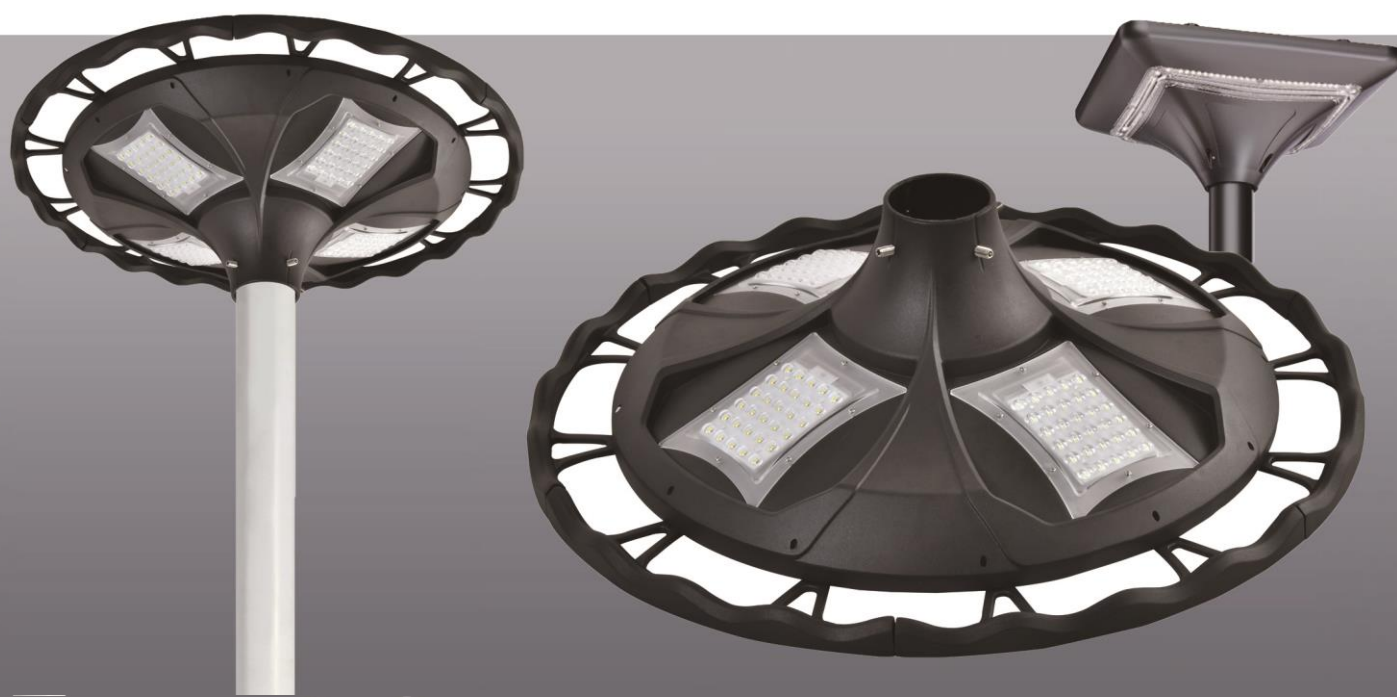
Features

1. Integrated patent design, Aluminum alloy die-casting and surface spaying process
2. Not only supreme design, but also anti-corrosion and waterproof IP65
3. Own designed charge control unit with high recycle Lifepo4 Battery, stands high temperature, no explosion and safety
4. Adopt Cree/Philips LED chips 3030/5050, >180 lm/w
5. Choose Mono solar panel, >22% charging efficiency
6. PC len design, lighting angle up to 140* 70, illumination range with much more wide, more bright and more uniform
7. MPPT charging, Microwave/PIR/Timer/Photocell sensor, Smart and save more energy
8. Individual battery pack inside, easy assemble, convenient maintenance
9. No cabling required, easy to install
10. 3 years warranty



Specification

Parameters	NCT-WZFM-40W	NCT-WZFM-60W	NCT-WZFM-80W
LED Power	50W	96W	144W
Lumens	180-200 lm/w		
Beam Angle	PC Lens, 80°*150		
LED Color Temperature	2700Z-6500Z		
Mono Solar Panel	1070X348mm	1300x348mm	1370x348mm
	75W	95W	120W
Solar Controller Type	MPPT		
Lifepo4 Battery Capacity	288WH	320WH	384WH
(Specified)			
Charging Time	6~8 hours		
Housing Material	Aluminum Alloy		
Lighting Time	7~10 days		
Operating Temperature	-20C~65°C .		
Lighting Mode	PIR/Timer/Mircowave/IOT/OEM		
Pole Diameter	60~76mm/89mm		
Certificated	CE, Rohs, IP65, IEC62619, IEC61215		
Product Dimension(mm)	1150x355x82	1380x355x82	1550x355x82
Application	Projects, street, urban, industrial, Sports ect.		



TYD

Features

1. Integrated patent design, Aluminum alloy die-casting and surface spaying process
2. Not only supreme design, but also anti-corrosion and waterproof IP65
3. Own designed charge control unit with high recycle Lifepo4 Battery, stands high temperature, no explosion and safety
4. Adopt Cree/Philips LED chips 3030/5050, >180 lm/w
5. Choose Mono solar panel, >22% charging efficiency
6. PC len design, lighting angle up to 140* 70, illumination range with much more wide, more bright and more uniform
7. MPPT charging, Microwave/PIR/Timer/Photocell sensor, Smart and save more energy
8. Individual battery pack inside, easy assemble, convenient maintenance
9. No cabling required, easy to install
10. 3 years warranty



Specification

Parameters	NCT-TYD-B-30W	NCT-TYD-B-40W	NCT-TYD-C-40W
LED Power	30W	40W	40W
Lumens	180-200 lm/w		
Beam Angle	PC Lens, 80°*150		
LED Color Temperature	2700Z-6500Z		
Mono Solar Panel	D520mm	D650mm	440x440mm
	35W	45W	50W
Solar Controller Type	MPPT		
Lifepo4 Battery Capacity	128WH	160WH	160WH
(Specified)			
Charging Time	6~8 hours		
Housing Material	Aluminum Alloy		
Lighting Time	7~10 days		
Operating Temperature	-20C~65°C .		
Lighting Mode	PIR/Timer/Mircowave		
Pole Diameter	60~76mm/89mm		
Certificated	CE, Rohs, IP65, IEC62619, IEC61215		
Product Dimension(mm)	D536xH200	D665xH200mm	470x470x180mm
Application	Projects, street, urban, industrial, Sports ect.		



Overview

Features

Installation

The luminaire can be mounted on outer support as well as on 48-65 mm pole post. Tilt angle is adjustable up to minus 15 degrees with 15 degree intervals

Design

Housing and universal adjustable mounting fixture made of die-cast aluminum. A driver is installed inside the housing.

Optical part

Complex cluster-type optics with a wide lateral and axial light distribution. Protective tempered silicate glass diffuser.

Lamp Type

LED



Usage

Car Park / Parking

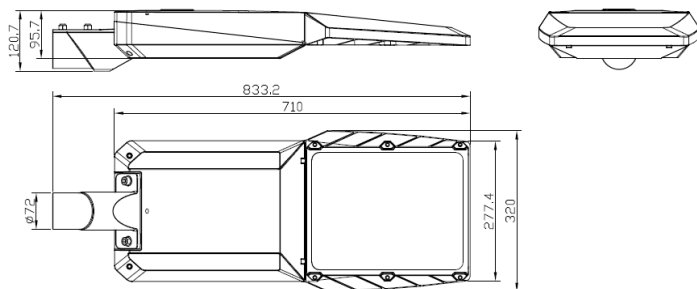
Road lighting

Features

	IP66		Clim App1	Ta(°C) -40/+40	Ta(°C) -40/+50	CRI >70	A+
C	EMC	AC/DC					

60 MONTH WARRANTY

Technical Drawing



SOLAR POWERED
Features
Installation

The luminaire can be mounted on outer support as well as on 48-65 mm pole post. Tilt angle is adjustable up to minus 15 degrees with 15 degree intervals

Design

Housing and universal adjustable mounting fixture made of die-cast aluminum. Ever biggest driver room is design for

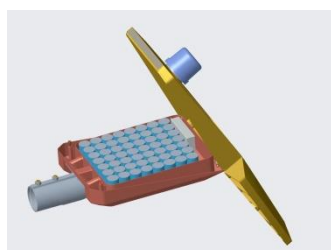
Lithium battery pack inside the housing.

Optical part

Complex cluster-type optics with a wide lateral and axial light distribution. Protective tempered silicate glass diffuser.

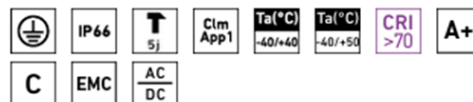
Lamp Type :LED

Power By: Solar energy


Usage

Car Park / Parking

Road lighting

Features

Model List

Title	Initial Luminous flux(lm)	Power Capability	Solar Panel (Mono)	Solar Charger	Length (mm)	Width (mm)	Height (mm)	Article no.
TURIN 70W	6156	70W	75W	MPPT	833.2	320	120.7	ST3/3-1212/407524
TURIN 90W	9234	90W	90W	MPPT	833.2	320	120.7	ST3/3-1216/609036
TURIN 110W	12312	110W	130W	MPPT	833.2	320	120.7	ST3/3-1224/8013042
TURIN 130W	15390	130W	160W	MPPT	833.2	320	120.7	ST3/3-1224/10013048
TURIN 150W	18468	150W	180W	MPPT	833.2	320	120.7	ST3/3-1624/12018060
TURIN 200W	21546	200W	200W	MPPT	833.2	320	120.7	ST3/3-1624/14020072

Title	Initial Luminous flux(lm)	Power Capability	Solar Panel (Mono)	Solar Charger	Length (mm)	Width (mm)	Height (mm)	Article no.
TURIN 90W	11624	90W	90W	MPPT	833.2	320	120.7	ST5/5-1204/707536
TURIN 130W	16606	130W	150W	MPPT	833.2	320	120.7	ST5/5-1206/10013048
TURIN 180W	23248	200W	200W	MPPT	833.2	320	120.7	ST5/5-1208/14020072

PWM/MPPT
 Bluetooth
 Timer control
 PIR sensor
 Microwave sensor
 Waterproof connection



PWM/MPPT
 Bluetooth
 Timer control
 PIR sensor
 Microwave sensor
 Waterproof connection



PWM/MPPT
 Bluetooth
 Timer control
 PIR sensor
 Microwave sensor



PWM/MPPT
 Bluetooth
 Timer control
 PIR sensor
 Microwave sensor
 Utility power backup



Program remote controller



Remote controller





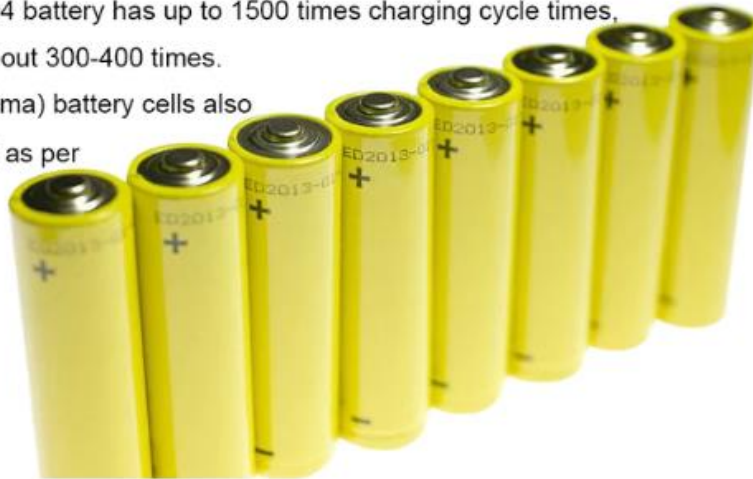
Solar Panel

- 25 years Lifespan
- 18.5% - 20% Conversion Ratio
- 90% Power Output After 10 Years
- IP65 Waterproof Rate
- 40°C ~ 85°C Operation Temperature
- MONO / POLY Different Solar Panel for Option



Lithium Battery

We adopt best quality level A LiFePO4 battery pack whose battery cell up to 3500ma/3.2V in our lights. LiFePO4 battery has up to 1500 times charging cycle times, while lead-acid about 300-400 times. 18650 (3.7V/2200ma) battery cells also could be provided as per customized.



LED MODULE



产品型号 Model	TYN-B-30W	TYN-B-64W	TYN-C-20W	TYN-C-50W
设置功率Power	20W	20W	20W	20W
色温Colour temperature	2700-6500K	2700-6500K	2700-6500K	2700-6500K
显色指数 Colour rendering index	>70	>70	>70	>70
灯珠品牌Led chip brand	CREE3030	CREE3030	CREE5050	三安3030
灯珠LED Qty	30PCS	64PCS	8PCS	50PCS
光效Light effects	180LM/W	200LM/W	180LM/W	200LM/W
工作电压Working voltage	DC30V	DC48V	DC24V	DC30V
防水等级IP	IP65	IP65	IP65	IP65
透镜角度 Lens angle	70*140°偏光30°	70*140°偏光30°	70*165°偏光30°	70*140°偏光30°
使用寿命Service life	50000H	50000H	50000H	50000H
产品尺寸Size	305*90*18MM	305*90*18MM	220*107*18MM	220*107*18MM



产品型号	Model	TYN-A-40W	TYN-A-50W	TYN-A-96W	TYN-A-144W
设置功率Power		30W	30W	60W	80W
色温Colour temperature		2700-65000K	2700-65000K	2700-65000K	2700-65000K
显色指数 Colour rendering index		>70	>70	>70	>70
灯珠品牌Led chip brand		CREE3030	CREE3030	CREE3030	CREE3030
灯珠LED Qty		40PCS	50PCS	96CS	144PCS
光效Light effects		180LM/W	180LM/W	180LM/W	180LM/W
工作电压Working voltage		DC30V	DC30V	DC36V	DC36V
防水等级IP		IP65	IP65	IP65	IP65
透镜角度 Lens angle		70*140°	70*140°	70*140°偏光30°	70*140°偏光30°
使用寿命Service life		50000H	50000H	50000H	50000H
产品尺寸Size		142*142*20MM	142*142*20MM	240*186*20MM	292*222*20MM

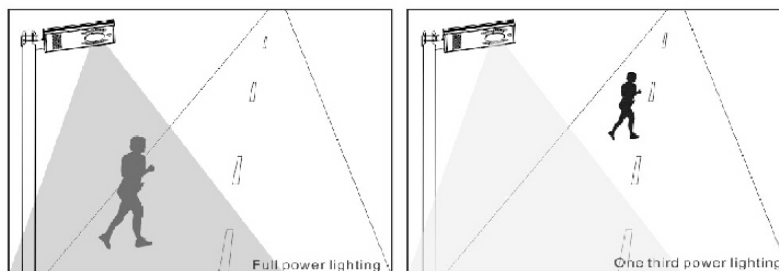
HAREWARE



Solar Street Light makes full use of energy from the sun - mono solar panel with high efficiency, LED source, intelligent controller, lithium battery are all in one. It uses excellent practical control technology such as a controller with the micro radar sensor, human infrared induction/PIR sensor, etc., combined with a simple integrated structural design, perfect for achieving higher brightness and lower power consumption (average 15W power = 150W incandescent lighting), Long lifespan and free maintenance, strong waterproof and heat dissipation, and easy installation at the same time. All advantages make it be our company's best-patented product.

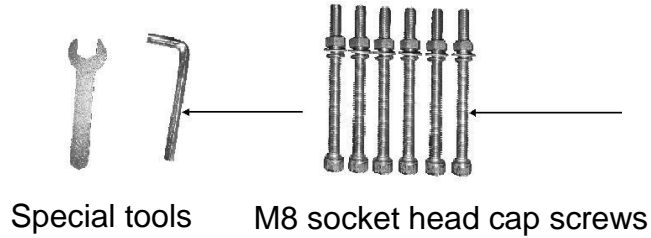
Attention Issues

1. "All-in-one Solar street light" will not work without sun. Please choose the matched model according to the local Sunlight intensity or the total annual radiation of solar energy. In the area of lacking sunlight or in long continuous rainy days, the working time of solar lights would be shortened or can not light up, All-in-one light with the mains supply or solar dual-mode electric power supply is suggested to choose in such cases.
2. "All-in-one Solar street light" selects a long life span lithium battery as an energy storage device. Discharge condition at night is at temperature $-20^{\circ}\text{C} \sim +75^{\circ}\text{C}$, battery performance will be damaged beyond this range. Please make sure the local extreme temperature does not exceed the above condition when choosing the "All-in-one models".
3. "All-in-one Solar street light", after fully charged, the battery longest store time can be up to six months. Check the battery in time after a long time of transport or storage, charge and record it on a regular time. Otherwise, the battery will be damaged.
4. When installing "All-in-one Solar street light", make the solar panel towards the direction of the sun as far as possible in order to get maximum energy and meanwhile avoid houses or the shadow of obstacles such as trees, otherwise, it will reduce the generating efficiency of the solar panel, and due to a shorten working time.
5. "All-in-one Solar street light", the clean-up performance of solar panel surface also affects the generating Efficiency of the solar panel. So its surface needs to be cleaned, such as dust, leaves, greasy dirt, etc., scrubbed with ordinary cleaner on a regular time is suggested.
6. "All-in-one Solar street light", its internal parts are with good waterproof design, all reach IP65 standard. Ventilation holes and cracks on the shell are specially designed for cooling and drainage. Metal parts are all made of corrosion-resistant aluminum or stainless steel, which can tolerate the strict environment of the sea or high heat and high humidity desert.

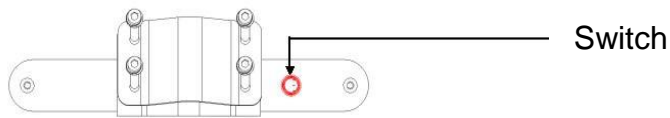


Installation steps(some models)

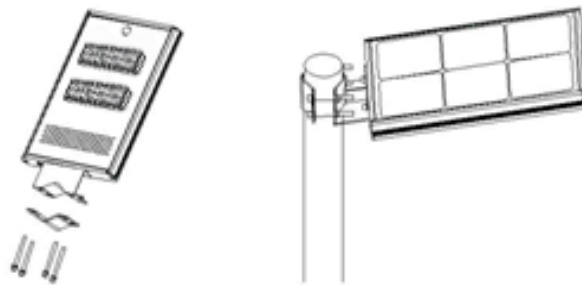
1. Select the best day-lighting location to set up the pole. Appropriated Pole: 3-5 meters height, 40 ~ 100mm diameter, and $\geq 2.0\text{mm}$ thickness iron rod or steel rod.
2. Open the packaging and check if components are completely contained.



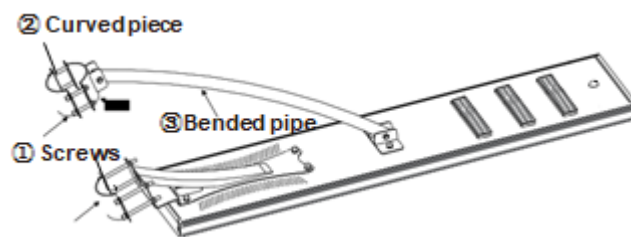
3. Turn on the switch before installation.



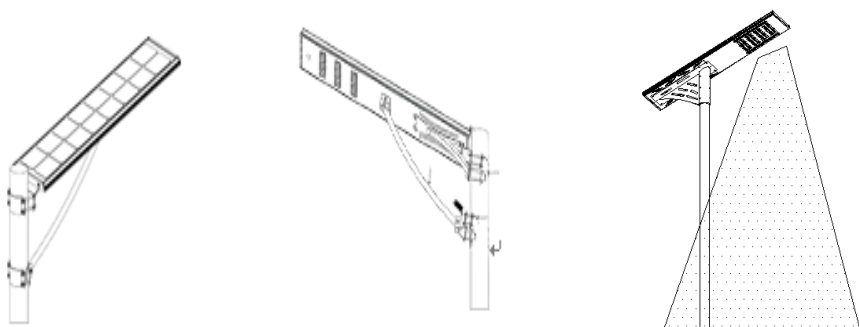
4. Put integrated solar light into the pole, fasten the screws with special tools, and ensure the light is firm.



5. Find out the accessories (1,2,3) and then assemble them as below.



- (6) The integration of solar energy lamps set into the lamp, use a special tool for fastening screws, ensure lamps can be stable.



(1) Solar controller is the core component of solar street lights, which has the function of light control, time control, charging and discharging, etc. Keep it dry in use, and do not touch the buttons at discretion. Malfunction must operate in professional instruction.

(2) Solar panel is the longest life span component in the solar street light, which can be used for 35 years. And in use, if it doesn't rain for days, the surface of the solar panel will gather much dust, which will affect the power generating efficiency, need manual cleaning when necessary. Keep the solar panel towards the south, correct it timely if there is a swing.

(3) LED light source has a long service life, the general failure rate is extremely low. Dirt cleaning of the whole light source is needed when using 2 to 3 years in case the dirt resists electricity and reduces the brightness of lights.

(4) The battery itself has a certain self-discharge, when the All In One Solar Light is not in use for a long time, please take out the light regularly for charging in the sun.

Matter	Cause	Inspection methods	Solution
Lights do not work	Switch turn off	Check whether the switch turns on.	Turn on the switch.
	Switch failure	Short-circuit the switch and if it is still lighting up, the switch is a failure.	Replace the Switch.
	Battery runs out	Long rainy days or wrong installation site could not charge enough power. Open the system, disconnect the battery and use a millimeter to check the voltage of the battery, if the voltage is less than 11V, means the battery runs out or is in low power cause the system could not work.	Charge battery by solar panel in the daytime, and turn off the switch at night to stop the discharge, like this, 2 days could fully charge the battery.
	LED Failure	Firstly, adjust the DC power supply to voltage 9V and currently less than 1A, then connect the positive and negative electrode of the DC power supply to an LED, if LED could not light, then the LED is a failure.	If confirming LED failure, please contact us to return and replace.
Short lighting time	Low battery	Wrong installation of dust and leaves covering on solar panel cause, not enough solar power to the battery. 1. Check whether there is dust or leaves covering the solar panel. 2. Open the system, disconnect the battery and use a millimeter to check the voltage of the battery, if the voltage is less than 11V, then the battery runs out or has low power cause the system could not work.	1. Charge battery by solar panel in the daytime, and turn off the switch at night to stop the discharge, like this, 2 days could fully charge the battery. 2. Clean the solar panel.
	Battery Failure	1. Open the light and check if the battery is displaced or the outer has been damaged. 2. Battery maturing, lights used more than 2 years.	1. If the damage is caused by transportation, please return to our factory for repairing or replacement. 2. Contact us to buy the same type of battery if the battery matures.
No induct	Sensor Failure	Move in the range of detection under the half-power lighting condition, if the light does not turn to full power, then the sensor is a failure.	If confirming failure caused by controller or sensor, please return to our factory for repairing or replacement.
Flashing light	Controller (timer) setting wrong	Intelligent mode opens due to an exceeding output power of the controller and light flashing002E	Return to our factory to reset or replace the products.

Product warranty

Product name : _____ Product Model : _____ Factory Number : _____ Date of production : ____ Tel.: _____ Fax. : _____

Address : _____ Producer's stamp : _____ (stamped and effective) Customer name : _____ Contact information : _____

Customer's address : _____ Guarantee content: _____ After sales: _____ Customer Sign: _____ Satisfied Dissatisfied

Guarantee content: _____ After sales: _____ Customer Sign: _____ Satisfied Dissatisfied Guarantee content: _____ After sales:

_____ Customer Sign: _____ Satisfied Dissatisfied

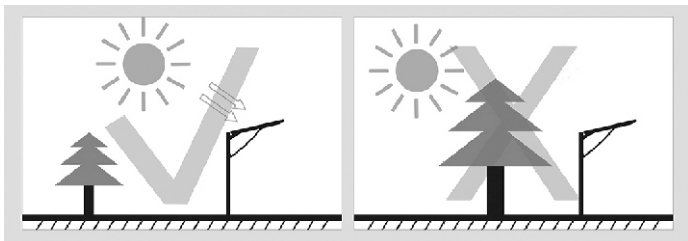
Warranty terms:

During the warranty period, if there is a malfunction under the normal use in accordance with the operating instructions (judged by the company official staff), the product will be free repaired. During the warranty period, any one of the following cases, must charge for the repair.

- Can not provide the letter of guarantee and valid proof of purchase.
- Malfunction and damage caused by wrong use and improper personal repair.
- Malfunction and damage caused by transport, move, drop after purchasing.
- Malfunction and damage are caused by other inevitable external factors.
- Damage caused by using the unspecified power and voltage.
- Product appearance, vulnerable products, and accessories are beyond the scope of the warranty. We make the above guarantee only and do not make any express or implied guarantee (including merchantability, and application of certain rationality and adaptation of implied warranty), whether, in contract, civil negligence, or other aspects, Our company will not take any responsibility to any special, incidental or consequential damages.

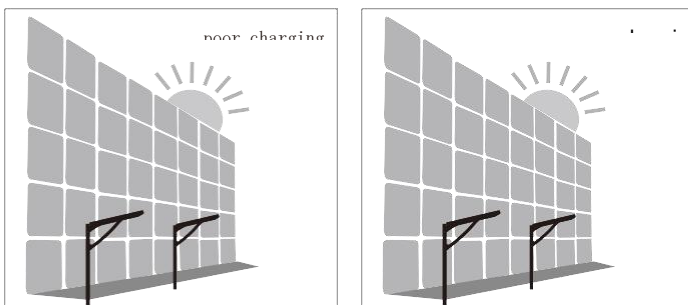
Installation instructions

Note 1:



Installation instructions

Note 2:



★Please choose a place that is full of sunlight and can be completely exposed to the sun. Notice that the solar panels must not be covered, and must be exposed to the sun.

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