

AIO SOLAR

AIO Solar Technology Co., Ltd



Integrated Solar Street Light

AIO-SST series

From 15W To 100W

Human Sensor / Lightging Control / Time Control



Human Sensor / Lightging Control / Time Control



**Human Sensor
Control**



Lightging Control +Time



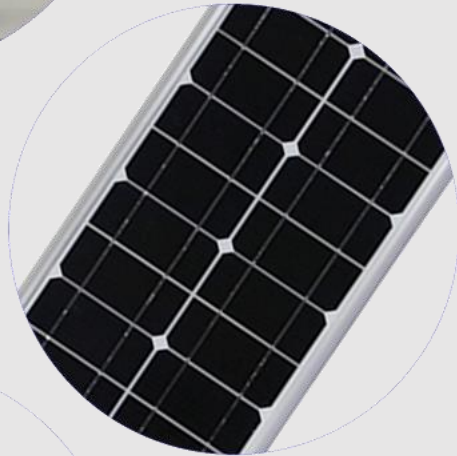
Feature

S:



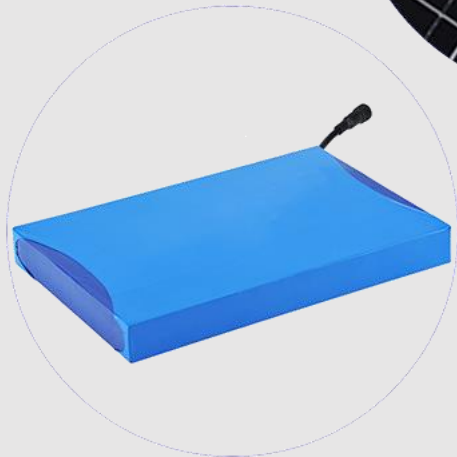
Unique-designed lens

High luminous and light transmittance.



Monocrystalline solar panel

High and stable photoelectric conversion efficiency.
Advanced diffuse technology, which can ensure the uniformity of conversion efficiency.



Lithium/ LiFe PO4 battery

has a good safety performance, high capacity, long life, high current and high-rate discharge performance and stability advantages.

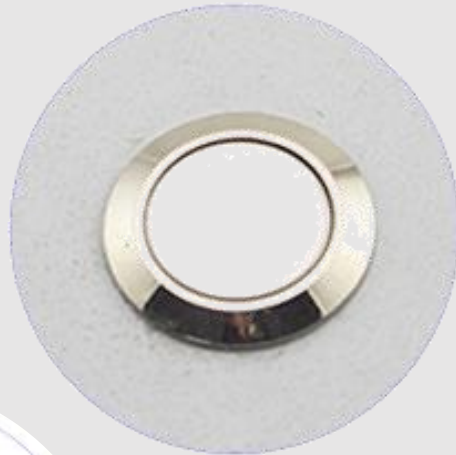
Feature

S:



Smart solar controller

With overheat protection and output short circuit protection.



Mental switch

IP67 level more durable.



Human sensor (Can be choose)

High quality light and human induction, more sensitive.

String



project-*Cas N°01-08



DIALux

18.01.2019

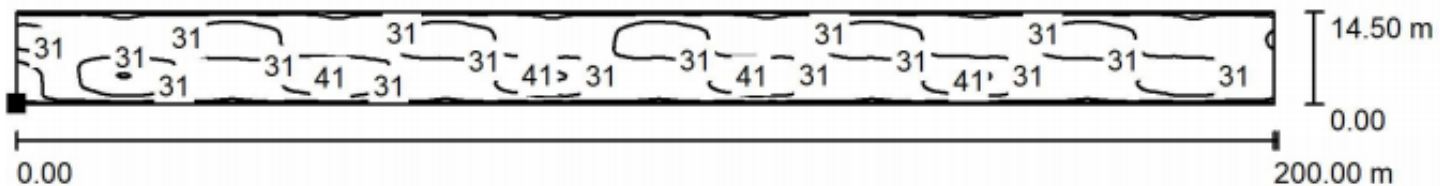


AIO Solar Technology Co., Ltd

AIO

Operator Scott
Telephone
Fax
e-Mail

outdoor / road / 表面 1 / Isolines (E)

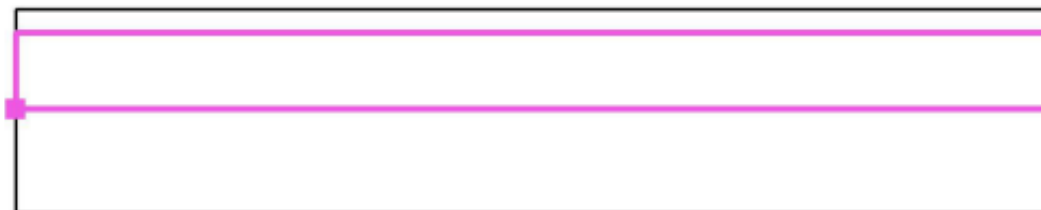


Values in Lux, Scale 1 : 1430

Position of surface in external scene:

Marked point:

(-121.441 m, -40.816 m, 0.010 m)



Grid: 128 x 128 Points

E_{av} [lx]
29

E_{min} [lx]
1.54

E_{max} [lx]
43

u_0
0.054

E_{min} / E_{max}
0.036

Parameter:



AIO Solar Technology Co., Ltd

TYPE	SST-II20R	SST-II30R	SST-II40R	SST-II50R	SST-II60R	SST-II80R	SST-II100R
PV module	30Wp	50Wp	60Wp	80Wp	100Wp	130Wp	150Wp
Rated Wattage(W)	20W	30W	40W	50W	60W	80W	100W
Battery	230WH	384WH	540WH	640WH	768WH	850WH	1000WH
Battery Type	Lithium / LiFe PO4 battery can be choose						
Luminous Efficacy(Lm/W)	>150						
Colour Temperature(K)	6000-6500K						
Colour Rendering Index	≥80						
Beam Angle (°)	120						
Power factor	≥0.9						
Rated Life (hrs)	50000						
Working mode	Human sensor / 4 hrs full power + 8 hrs energy saving mode						
IP Rating	IP 65						
Material	Aluminum alloy						
Color	Grey						
Operating Temperature(°C)	-20°C~60°C						
Remark	the parameter can change different for projects						

AIO-SST series

High Lumen: 163.70 lm/W

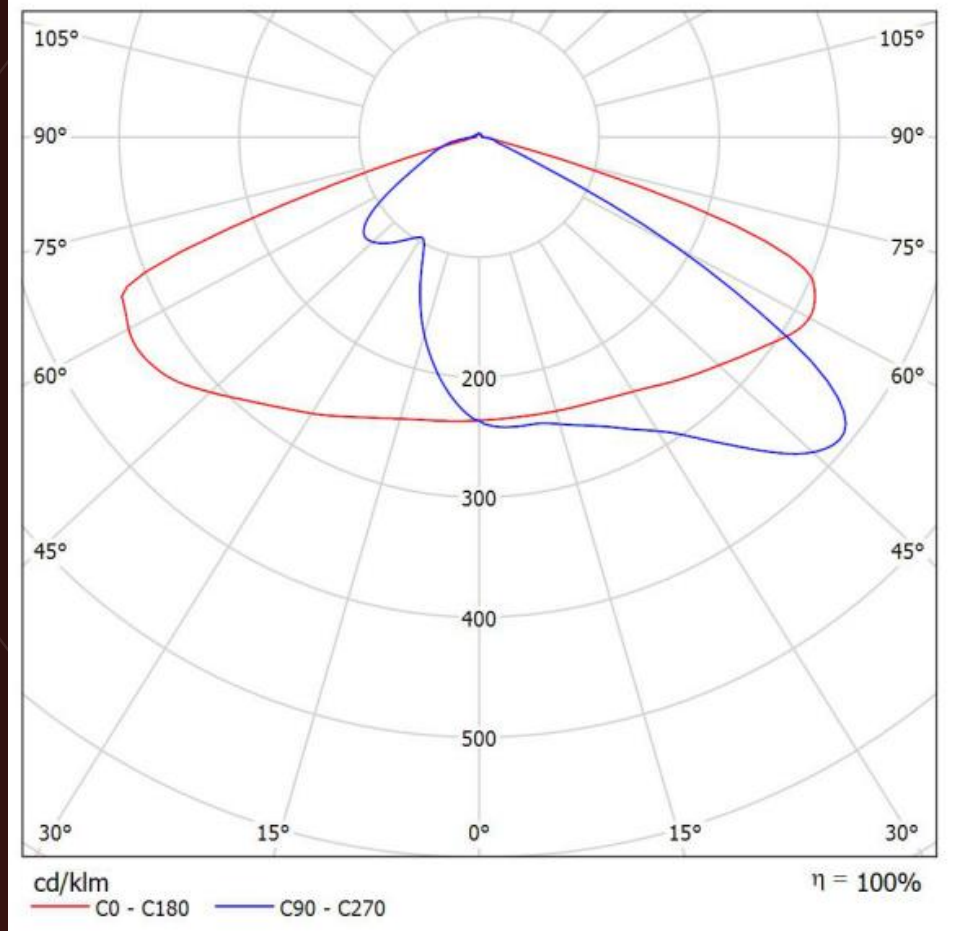
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:27.920V I:2.4994A P:69.800W PF:1.0000 Freq:49.99Hz Lamp Flux:11426.5x1 lm		
NAME :	TYPE :	WEIGHT :
SPEC. :	DIM. :	SERIAL No. :
MFR. : EVERFINE	SUR. :	Shielding Angle :

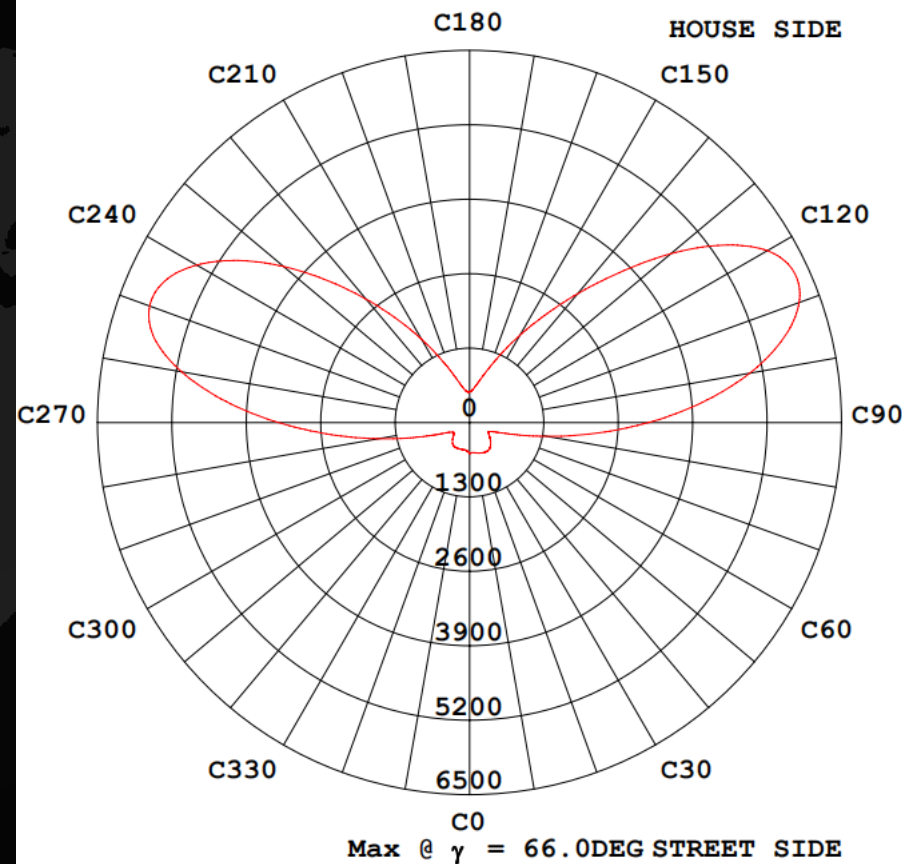
DATA OF LAMP		PHOTOMETRIC DATA Eff: 163.70 lm/W			
MODEL		Imax (cd/klm)	624.2	η street_up (%)	1.0
NOMINAL POWER (W)		LOR (%)	100.0	η street_down (%)	34.1
RATED VOLTAGE (V)		TOTAL FLUX (lm/klm)	1000.0	η house_up (%)	0.7
NOMINAL FLUX (lm)	11426.5	MAXIMUM @ (C, γ)	105,68.0	η house_down (%)	64.2
LAMPS INSIDE	1	η up (%)	1.7	76 FLASHAREA (m2)	
TEST VOLTAGE (V)		η down (%)	98.3	SLI	

Polarity LED Lens

Luminous emittance 1:



MAX INTENSITY CONE SURFACE DISTRIBUTION DIAGRAM



Certification

Summary of testing:

Tests performed (name of test and class):

- All tests were performed on model AIO-SST180.
- The submitted samples were found to comply with the requirements of IEC 60598-1:2014, IEC 60598-2-3:2002+A1:2011, IEC 62031:2008+A2:2015.

Summary of compliance with National Directive List of countries addressed:

Yes

Copy of marking plate:

The artwork below may be only a draft. The authorized by the respective MCBs that are

AIO SOLAR TECHNOLOGY CO., LTD
Solar Street Light
Model: AIO-SST180
Power: 30W
Rating: 30VDC (Solar battery), 2400mA
IK: 45; IP65
Outdoor used

Remark: the marking label was stickered on lamp

Clause	Requirement
3.10 (5.2.9)	Locking of air
3.10 (5.2.10)	Cont anchorage
3.10 (5.2.11)	Cont anchorage
3.10 (5.2.12)	Cont anchorage
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3.10 (5.2.94)	Cont anchorage
3.10 (5.2.95)	Cont anchorage
3.10 (5.2.96)	Cont anchorage
3.10 (5.2.97)	Cont anchorage
3.10 (5.2.98)	Cont anchorage
3.10 (5.2.99)	Cont anchorage
3.10 (5.2.100)	Cont anchorage

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ANNEX 6: Photo document



Fig. 3- AIO-SST180: Interior view



Fig. 4- AIO-SST180: Switch

Page 40 of 40

ANNEX 6: Photo document



Fig. 5- AIO-SST180: Connector

--- End of rep

TEST REP IEC 60598-1
Part 2: Particular Section Three - Luminaires

Report Reference No.: HCT1709-02167

Tested by (name-signature): Jason Wang

Approved by (name-signature): Andy Zheng

Date of issue: February 25, 2017

Testing Laboratory: Shenzhen Hongcai Testing Technology Co., Ltd.

Address: 1st-3rd Floor, Building C, Shuangshan Xinyi Dai Hi-Tech Industrial Park, No. 8 Beiqing Road, Baoqing Industrial Zone, Longgang District, Shenzhen, Guangdong, China

Applicant's name: AIO SOLAR TEC

Address: #13/F, 2nd of C13 Industrial District, China

Product: Solar Street Light

Model No.: AIO-K15W, AIO-K20W, AIO-P30W, SST-I30R, SST-I40R, SST-I40R, SST-I40R

Test specification: IEC 60598-2-3, IEC 60598-1:2014, IEC 62031:2008+A2:2015

Test procedure: IEC report

Non-standard test method: NA

Test Report Form No.: IEC62031-2_303

Test Report Form(s) Originator: Intertek Service A Master TSP

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Test item description: Solar Street Light

Trade mark: Not

Manufacturer: Same as applicant

Address: Same as applicant

Model/Type reference: Refer to "General Ratings"

Rating: 30VDC/Solar bat

Shenzhen CSAT Co., Ltd.
4th Floor, No. 31, Yingren Road, B, Shenzhen, Guangdong, China

Certificate of Conformity

No. CT201702167

Applicant: AIO Solar Technology Co., Ltd.

Address: C building, Qunfa Industrial Zone, Guangming, China

Manufacturer: Xianxing Lighting Co., Ltd.

Address: C building, Qunfa Industrial Zone, Guangming, China

Product: Solar Street Light

Model No.: AIO-K15W, AIO-K20W, AIO-P30W, SST-I30R, SST-I40R, SST-I40R, SST-I40R

Test No.: IEC62211:2008, IEC 62211

The EUT described above has been found to be in compliance with the council LVD Directive 2011/65/EU. It is possible to use CE marking to demonstrate the CE Directive.

RoHS

This certificate of conformity is based on the above mentioned product. It does not imply an assessment. Directives have to be observed.

Tel: +86-755-23221823 Fax: +86-755-23221823 Email: info@csatlab.com

Shenzhen CSAT Co., Ltd.
4th Floor, No. 31, Yingren Road, Shiyen, Baoan District, Shenzhen, China

Certificate of Conformity

No. CT2018091718

Applicant: AIO Solar Technology Co., Ltd.

Address: C building, Qunfa Industrial Zone, Guangming, China

Manufacturer: Xianxing Lighting Co., Ltd.

Address: C building, Qunfa Industrial Zone, Guangming, China

Product: Solar Street Light

Model No.: AIO-K15W, AIO-K20W, AIO-P30W, SST-I30R, SST-I40R, SST-I40R, SST-I40R

Test No.: IEC 60598-2-3:2015+A1:2015, IEC 60598-1:2014, EN 60598-1:2015, EN 60598-2-3:2015, EN 60598-2-3:2014, EN 60598-2-3:2013

The certificate applies to the tested sample above in Manufacturer / Importer

CE

Date: _____

This certificate of conformity is based on a single event of the above mentioned product. It does not imply an assessment. Directives have to be observed.

Tel: +86-755-86337020 Fax: +86-755-86337020 Email: info@csatlab.com

Shenzhen Hongcai Testing Technology Co., Ltd.
1st-3rd Floor, Building C, Shuangshan Xinyi Dai Hi-Tech Industrial Park, No. 8 Beiqing Road, Baoqing Industrial Zone, Longgang District, Shenzhen, Guangdong, China

Test Report For

IEC 60598-2-3:2002+A1:2011
IEC 60598-1:2014

Test Report For

AIO solar technology co., ltd

#1,2/F, 2nd of C12 and C13, Dongping East Road, C Area, Tongyi Industrial District, Canyi Village, Guzhen Town, Zhongshan City, CHINA

Product Name: Solar Street Light

Model/Type No.: Refer to "General product information".

Prepared By: Shenzhen Hongcai Testing Technology Co., Ltd.
1st-3rd Floor, Building C, Shuangshan Xinyi Dai Hi-Tech Industrial Park, No. 8 Beiqing Road, Baoqing Industrial Zone, Longgang District, Shenzhen, Guangdong, China
Tel: +86-755-86337020
Fax: +86-755-86337020

Report Number: HCT17CR-02348

Tested Date: February 10 - February 25, 2017

Issued Date: February 25, 2017

Tested By: Jason Wang / Jason Wang

Reviewed By: Andy Zheng
Technical Supervisor

Approved By: Tony Wu
Technical Manager

Note: This test report is limited to the above client company and the product model only. It may not be duplicated without prior written consent of Shenzhen Hongcai Testing Technology Co., Ltd.

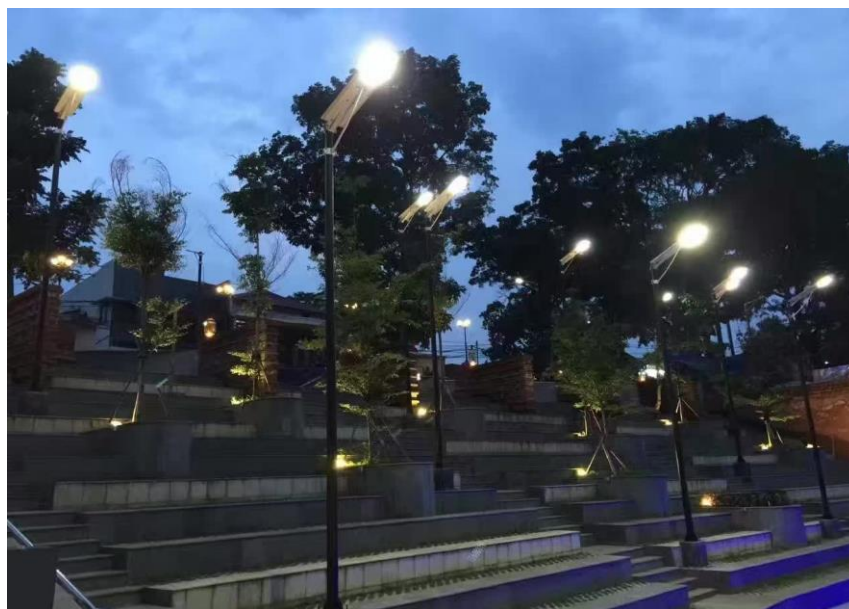
1-3/F, Building C, Shuangshan Xinyi Dai Hi-Tech Industrial Park, No. 8, Beiqing Road, Baoqing Industrial Zone, Longgang District, Shenzhen, Guangdong, China
Tel: +86-755-86337020 Fax: +86-755-86337020
Email: info@csatlab.com

AIO-SST series

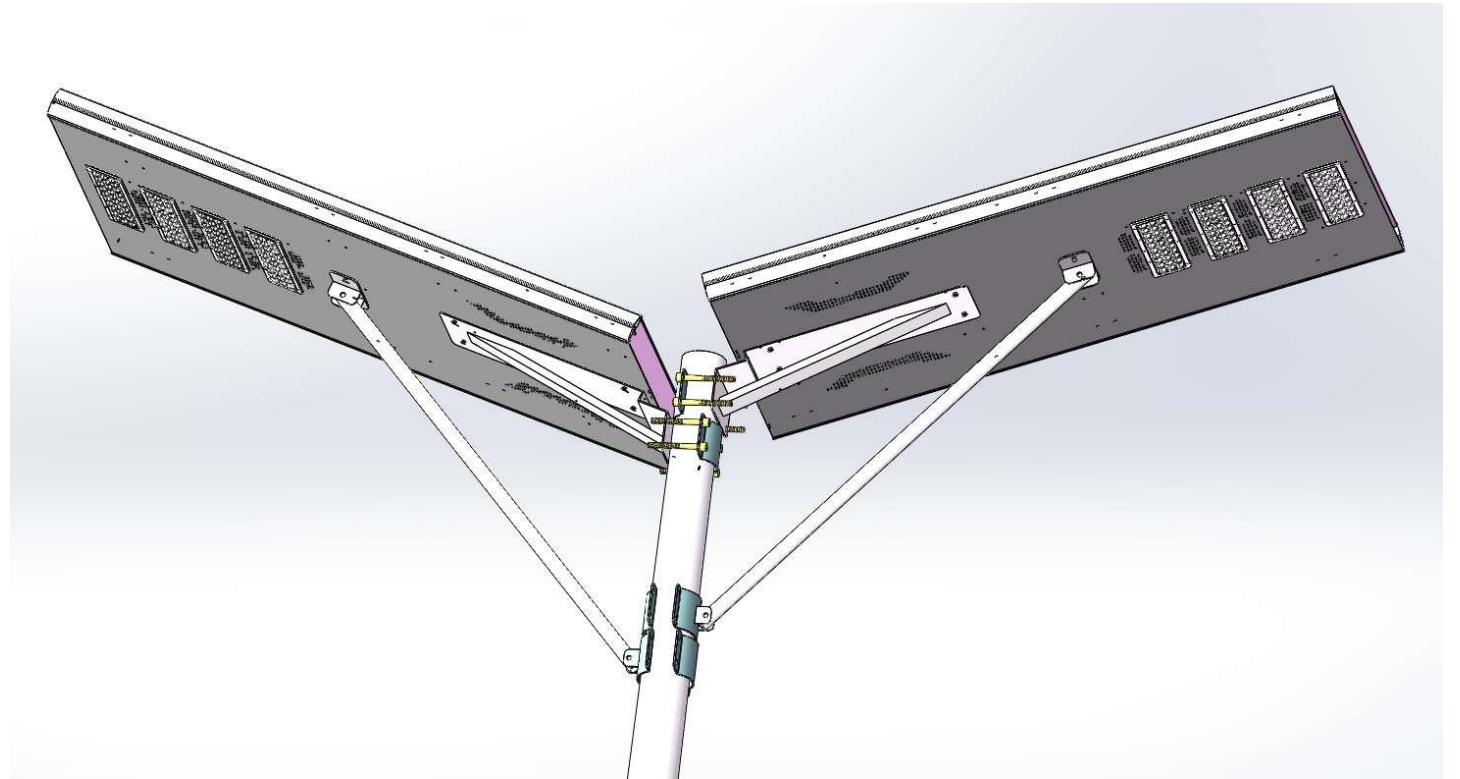
PROTECTION CLASS: **IP65**

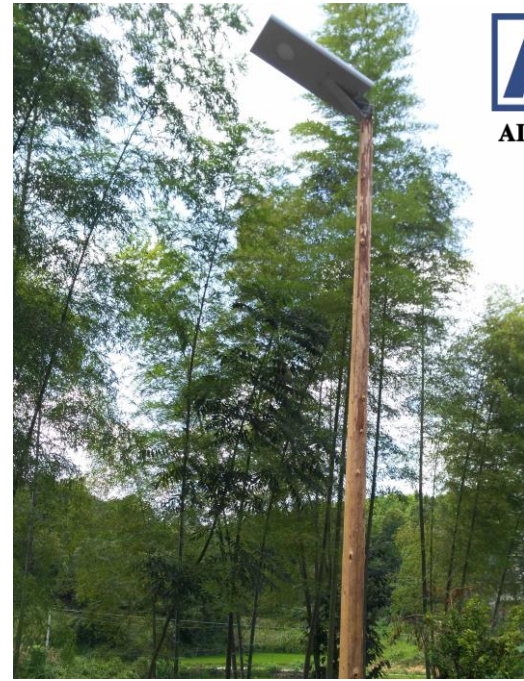


Lightning, Rain, Dust



AIO-SST series





AIO SOLAR
AIO Solar Technology Co., Ltd



AIO-SST series

AIO SOLAR TECHNOLOGY CO.,
LTD

Xianxing Lighting CO., LTD



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