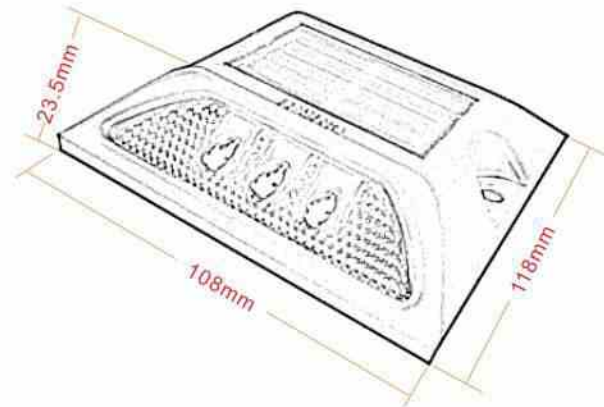## Reflective Solar LED Road Stud
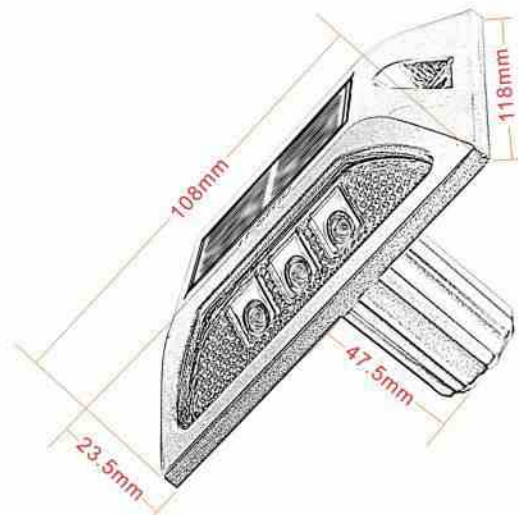## Model No.: TP-SR-10

Description:

1. Solar panel: 2V/0.3W, mono-crystalline silicon
2. Battery: anti-high(low) temperature 1.2V/600mAh NI-MH battery
3. LED: Epistar brand, dia 5mm
4. Painted shell to be more smooth and antioxidative

Advantages:

1. Super Bright and Embedded reflector, won't remove from the road stud
2. Working environment:-20~+70 ℃
3. Load bearing: 20 tons
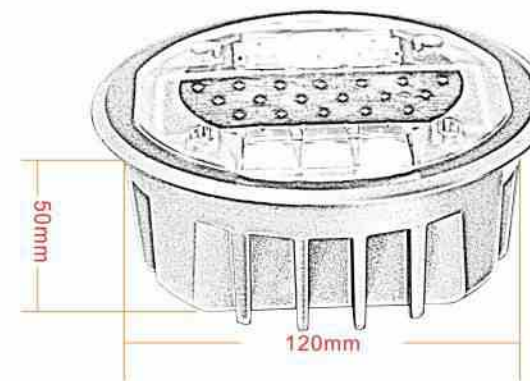4. Protection level: IP68

Model No.: TP-SR-10T

Solar LED Embedded Road Stud
Model No.: TP-SR-9

Description:

1. Solar panel: 2.5V/0.45W, monocrystalline silicon
2. Storage device: 1pcs 120F/2.3V super capacitor or 2pcs 1.2V/600mAh NI-MH battery
3. LED: Epistar brand, dia 10mm
4. Embedded road stud can be installed in the middle of the road
5. Protrude slightly(6mm) from the road, so the road stud won't be destroyed by the snow plough in winter
6. Cast-Aluminum with polishing and painted to be antioxidant
7. Load bearing> 30tons
8. Visibility: 500M
9. Protection level: IP68
10. Working environment:-20~+70 ℃

LED Wired Embedded Road Stud
Model No.: TP-SR-9W

Advantages:

1. Working voltage: 12V/24VDC
2. Embedded road stud can be installed in the middle of the road
3. Connected with controller, can be steady and synchronized flashing
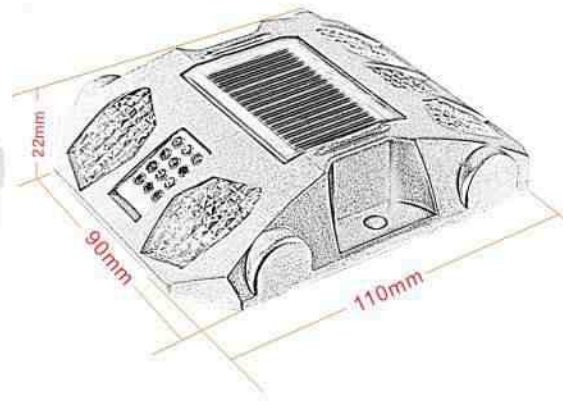
Wireless Synchronized Flashing Embedded Road Stud
Model No.: TP-SR-9T

Advantages:

1. Built-in GPS, can make the road stud synchronized flashing
2. Need no external power supply and wire
3. Embedded road stud can be installed in the middle of the road
4. Working environment:-20~+70 ℃

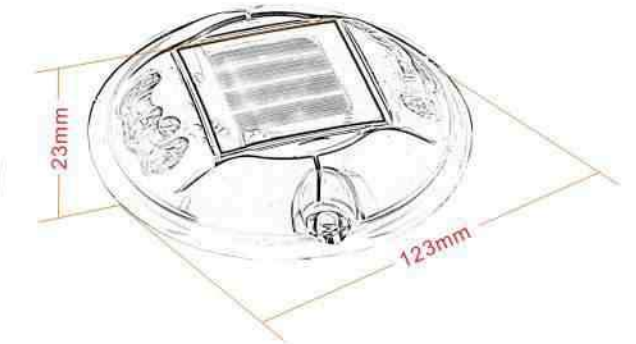## Solar LED Racing Car Road Stud
Model No.: TP-SR-8

Description:

1. Solar panel: 2V/0.3W mono-crystalline silicon
2. Battery: Anti-high(low) temperature 1.2V/600mAh NI-MH battery
3. LED: Epistar brand, dia 5mm
4. Unique design like "Lamborghini"
5. Cast-aluminum shell is polished and painted to be smooth and antioxidant
6. Car lamp design reflector, widely lighting area
7. Come with glass beads between the reflectors and LED
8. Load bearing> 20tons
9. Visibility: 500M
10. Protection level: IP68
11. Working environment:-20~+70 ℃

Model No.: TP-SR-2

Description:

1. Solar panel: mono-crystalline silicon 2V/0.3W
2. Battery: Anti-high(low) temperature 1.2V/600mAh NI-MH battery
3. LED: Epistar brand, dia 5mm
4. Load bearing> 20tons
5. Visibility: 500M
6. Protection level: IP68
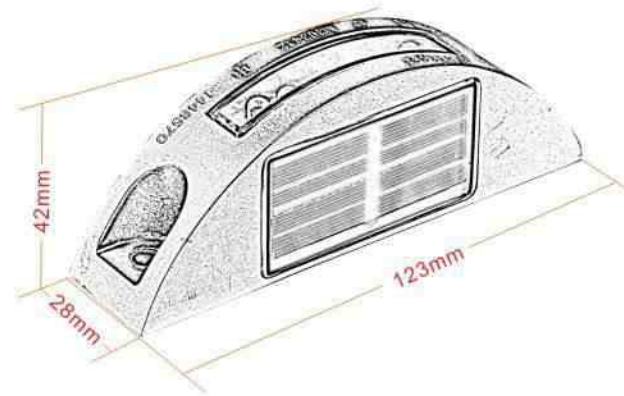7. Working environment:-20~+70 ℃

Model No.: TP-SR-2

Description:

1. Size:Diameter 123*23MM(H)
2. Solar panel:Mono-crystaline silicon 2V/0.4W
3. Battery:Anti-High(Low)working environment Li-ion battery 700mAH, 3.7V
4. Led:Epistar brand,Dia 5mm
5. Working mode:Flashing together than like a circle (blinker)
6. Visibility:800m
7. Protection Level:IP68

Solar Road Studs Series

123mm

42mm

28mm

Model No.: TP-SR-7

Description:
1. Solar panel: mono-crystalline silicon 2V/0.3W
2. Battery: Anti-high(low) temperature 1.2V/600mAh NI-MH battery
3. LED: Epistar brand, dia 5mm
4. Visibility: 500M
5. Protection level: IP68
6. Suitable for truck, boat,etc.
7. Working environment:-20~+70 ℃

Normal Road Studs Series

Aluminum Reflective Road Stud

Description:
1. Material: Aluminum
2. Unit size: 100*100*20mm (with 45mm stand)

Plastic Reflective Road stud

Description:
1. Unit size:100*100*20MM
2. Material:Durable ABS Plastic
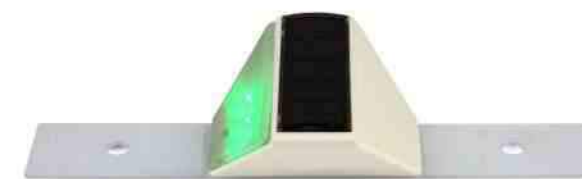3. Color:Red,White,Yellow

Glass Road Stud

Description:
1. Unit size: Dia 100*55MM
2. Unit weight: 0.55KG

Ceramics Road Stud

Description:
1. Unit size: Dia 103*23MM
2. Unit weight: 0.27KG

Solar LED Delineator Light

Description:
1. Unit size: 250*110*40mm
2. Solar panel: 2.5V/0.3W mono-crystalline silicon
3. Battery: Anti-high(low) temperature 1.2V/600mAh NI-MH battery
4. LED: Epistar brand, High brightness Dia 8mm LED light
5. Red, Blue, Green, Yellow, White color are available
6. Visibility>500M

Solar Barricade Lamp

Description:

1. model: TP-SLZ-V1
2. unit size: 380*180*96mm
3. Unit weight: 0.8KG
4. Material: Engineering Plastic
5. LED color: Red/Yellow (can be changed as customer request)
6. LED: 2pcs SMD, wavelength at 590±5nm
7. Solar panel: 5V/0.6W mono-crystalline silicon
8. Battery: 3.7V/2000mAh, Lithium
9. work mode: flashing at 1HZ or 20HZ or steady
10. visibility: >500m
11. Temperature condition: -40℃ ~ 80℃
12. Duratin time: 240 hours after fully charged
13. Protection level: IP65

Battery Barricade Lamp

Description:

1. unit size: 380*180*96mm
2. Unit weight: 0.82KG
3. Material: Engineering Plastic
4. LED color: Red/Yellow (can be changed as customer request)
5. LED: 2pcs SMD, wavelength at 590±5nm
6. Rechargeable Battery
7. work mode: flashing at 1HZ or 20HZ or steady
8. visibility: >500m
9. Temperature condition: -40℃ ~ 80℃
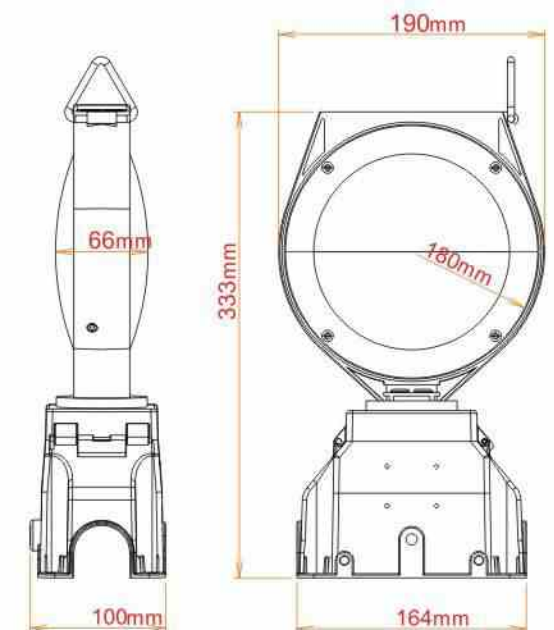10. Protection level: IP65

Model No:TP-SLZ-2.0

Advantages:

1. Solar powered,max working time:250hours (according to q'ty of battery)
2. Lithium battery can be charged and free to be remove for maintenance
3. Widely Application:such as Water strider,Traffic core,Fence,Cement barrier,Guardrail,etc
4. Protection level: IP65

Description:

1. Material: Engineering Plastic
2. LED color: Red/Yellow (can be changed as customer request)
3. LED: 2pcs SMD, wavelength at 590±5nm
4. Solar panel: 5V/0.6W mono-crystalline silicon
5. Temperature condition: -40℃ ~ 80℃
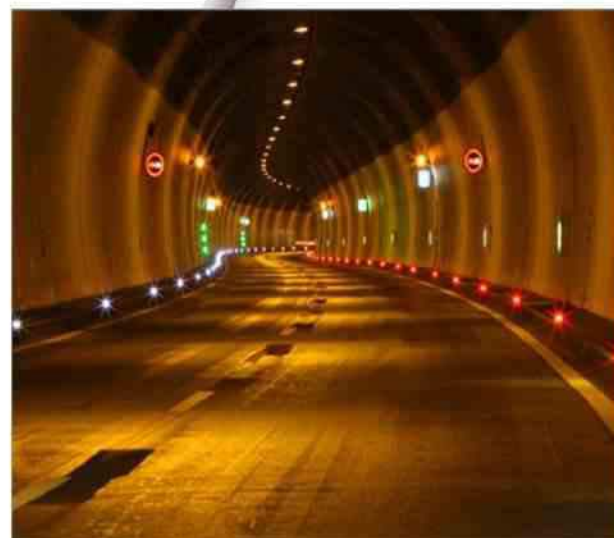
LED Wired Road Stud

Datasheet:

1. Material: ASA Fireproof Plastic or Aluminium
2. LED: Epistar Brand, High brightness, White/Yellow/Red/Blue/Green
3. Work voltage: DC12V,24V or AC220V
4. Power: yellow, red: 0.04W,blue,green,white: 0.06W
5. Protection Level: IP68

Controller :

Main Component: baking finish controlling box, SMPC, controlling circuit power-supply system:
Input AC110V~270V, Output DC12V, DC24V
Protection Model: short circuit, overcurrent, overvoltage, overheating
Cutoff Switch: surplus 30mA currently (power supply by main circuit)
Output branch available: 4branches
Both ends maximum load current: 2.5A
Controlling Function: Flashing or Constant working modes
Controlling model: Local dial switch

LED Wired Road Stud Controller

Solar LED Warning Light Series

Model No.: TP-HSD

Description:

1. Mono-crystalline silicon solar panel
2. Shinning Diameter: 300 MM
3. Anti-High(Low) Temperature Lead-Acid battery
4. High brightness focus lampshade

Mddel No	Solar panel	Battery
TP-HSD3-B37	12V/5W	7.4V/4.4Ah
TP-HSD3-B90	15V/8W	11.1V/6.6Ah

Model No.: TP-BS

Description:

1. Mono-crystalline silicon solar panel
2. Anti-High(Low) Temperature Lead-Acid battery
3. Can Make Single/Double/Four Sided As Your Request
4. Work mode: work only at night or 24hours

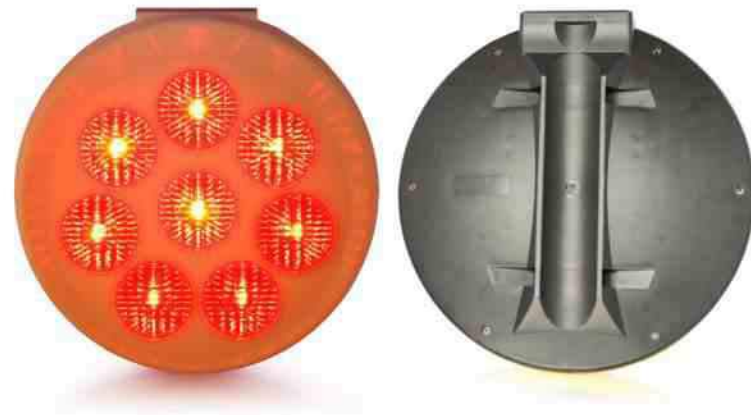| Type	Solar panel	Battery
Two group	18V/8W	12V/7Ah
Four group	18V/10W	12V/14Ah

Barricade Lamp

Model No.: TP-SF-V1

Description:
1. Solar Panel: 5V0.8W mono-crystalline silicon
2. Battery: 3.7V/3000mAh Lithium battery
3. LED: 8pcs Dia.5mm Led (Epistar)
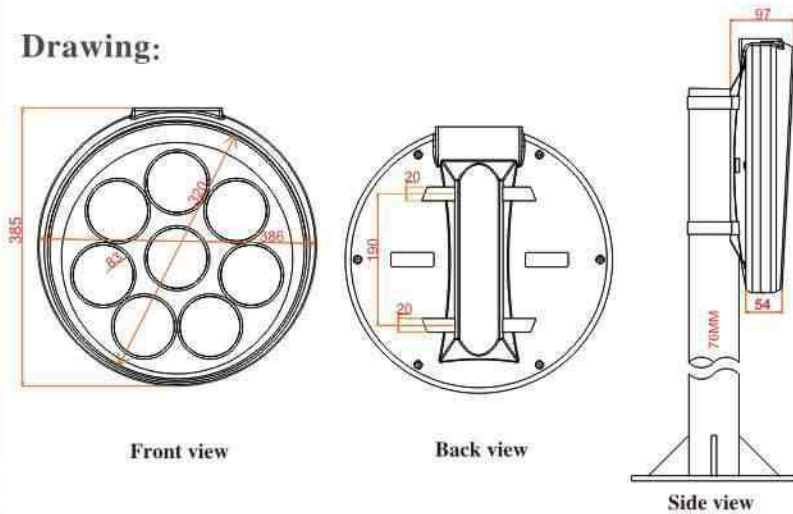4. Installation: no need any external power and any cable

Advantages:
1. High brightness Led & reflector
2. Anti high(low) temperature, Anti-UV
3. Lifespan over 5 years
4. Easy installation
5. 120hours after fully charged

Application in Saudi Arabia:

Drawing:

Front view   Back view   Side view

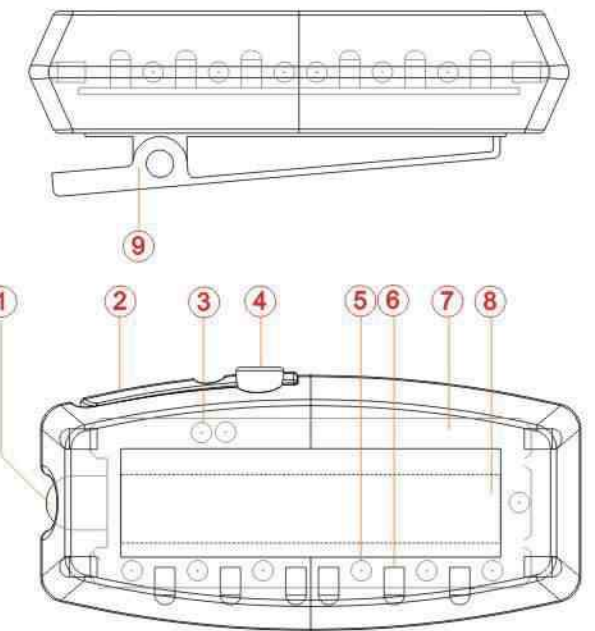# LED Shoulder warning light

ON DUTY

Model No.: TP-JSD-PDV1

Description:
1. Battery: 3.7V/500mAh Lithium battery
2. Charging voltage: DC5V
3. LED: 17PCS (7pcs vertical lights, 10pcs horizontal lights)
4. Color: Red and blue (can be customized)

Advantages:
1. Gravity-sensor, Protect eyes of the people on duty by the vertical, horizontal LED lights
2. Mounting clip, easy to be worn on all parts of people on duty
3. Charged with DC5V 1~2A adapter, available by phone charger adapters (HUAWEI, Iphone, SAMSUNG...), USB port also available
4. 18hours duration time after charged 2 hours

① Mini flashlight   ⑥ LED (10pcs horizontal lights)
② Charging interface   ⑦ Motherboard
③ Charging indicator   ⑧ Battery
④ Function keys   ⑨ Mounting clip
⑤ LED (7pcs vertical lights)
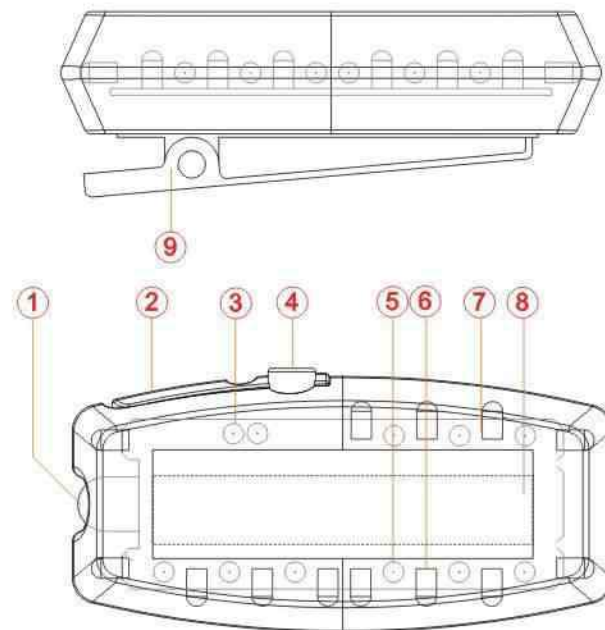
Walk Warning Light

Model No.: TP-Walksafer-V1

Description:
1. Battery: 3.7V/500mAh Lithium battery
2. Charging voltage: DC5V
3. LED: 22PCS (9pcs vertical lights, 22pcs horizontal lights)
4. Color: Yellow standard equipment (can be customized)

Advantages:
1. Motion-sensing, light on when moving, light off when in static
2. Mounting clip, easy to be worn on all parts of people on duty
3. Charged with DC5V 1~2A adapter, available by phone charger adapters (HUAWEI, Iphone, SAMSUNG...), USB port also available
4. 18hours duration time after charged 2 hours

① Mini flashlight
② Charging interface
③ Charging indicator
④ Function keys
⑤ LED（9pcs vertical lights)
⑥ LED （13pcs horizontal lights)
⑦ Motherboard
⑧ Battery
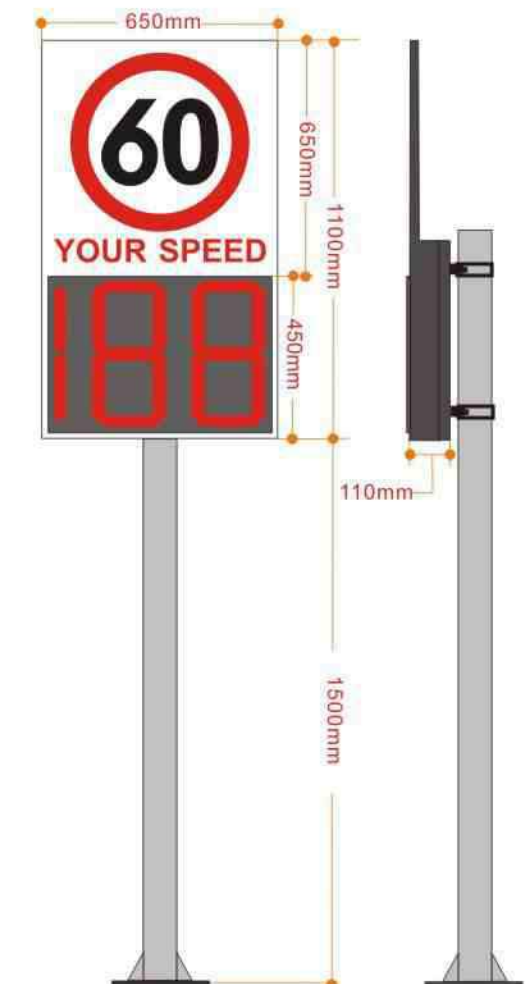⑨ Mounting clip

Radar Speed Detector Sign

Radar Speed Detector Sign

Description:
1. Speed detection range:10km/h-250km/h
2. Speed detection distance:150M
3. Work temperature:-20-+70℃
4. Protection level: IP65

Advantages:
1. Setting the limited number by remote controller
2. Dispaly green number when less than the limited speed red number when over the limited speed
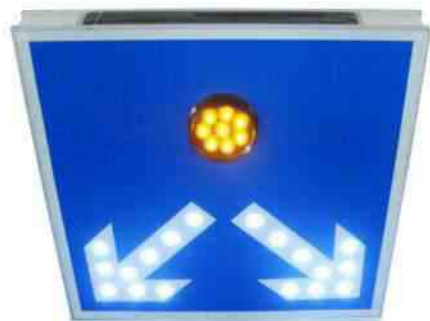3. Can be solar powered or AC/DC

650mm
650mm
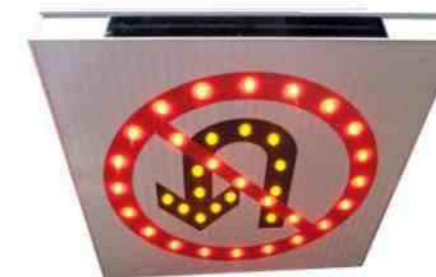1100mm
450mm
110mm
1500mm

Model No.: TPST

Description:
1.Solar panel: mono-crystalline silicon
2.Battery: anti-high(low) temperature li-ion battery
3.Work mode: work only at night or 24hours
4. Material:Aluminum board and 3M Engineer level reflective sheet
5.Work temperature:-20~+70 ℃
6.Protection level: IP68

Advantages:
1.Material: Aluminum and 3M Engineer level reflective sheet
2.Super brightness LED, widely lighting area
3.Anti-high(low) temperature: temperature : :-20~+70 ℃
4.Can make any size, picture, specification as your request

Solar LED Traffic Sign Series

LED Construction Guiding Sign

Description:

1. Normal Size: 1200*600*65MM or 1500*600*65MM (can be customized)
2. Material: Aluminum board with 3M engineering reflective sheet
3. Led Barrels : dia 52mm or 100MM. 15PCS or 25pcs as customer's request,
4. Powered by solar panel, or electricity(DC12V/24V ,110VAC-240VAC)
5. Protection level: IP65
6. Visibility: 1000m(approx)
7. With remote controller and external display box
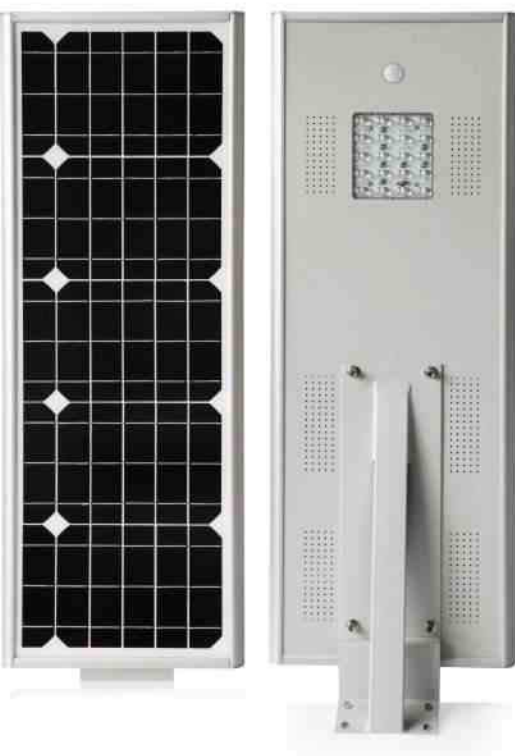
Solar Street Light-10W

Description:
1. Monocrystalline silicon solar panel: 15V/15W
2. Lithium Battery: 12V/7AH
3. LED: 10W Epistar Brand 81pcs, 5000-5500K , 1000-1100LM
4. Charge time: 7 hours
5. Working time: 72 hours

Advantages:
1. Infrared sensor: 100% brightness when people coming, 30% brightness after 1 min people left
2. Photocell: work automatically at night
3. Intelligent control: the brightness of the light can be adjust automatically based on the outside environment
4. Lithium Battery can be changed when life is over

Solar Street Light-20W
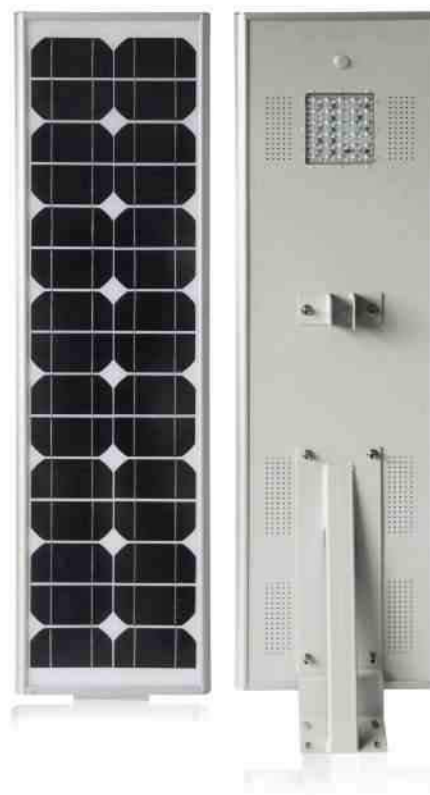
Description:
1. Monocrystalline silicon solar panel: 15V/30W
2. Lithium Battery: 12V/14AH
3. LED: 20W Bridgelux LED, 20pcs, 6000-7000K, 2000-2200LM
4. Charge time: 7hours
5. Working time: 64 hours

Advantages:
1. Infrared sensor: 100% brightness when people coming, 30% brightness after 1 min people left
2. Photocell: work automatically at night
3. Intelligent control: the brightness of the light can be adjust automatically based on the outside environment
4. Lithium Battery can be changed when life is over

Solar Street Light-30W

Description:
1. 1. Monocrystalline silicon solar panel: 15V/40W
2. Lithium Battery: 12V/20AH
3. LED: Bridgelux LED, 30pcs, 6000-7000K, 3000-3300LM
4. Charge time: 7.4 hours
5. Working time: 61 hours

Advantages:
1. Infrared sensor: 100% brightness when people coming, 30% brightness after 1 min people left
2. Photocell: work automatically at night
3. Intelligent control: the brightness of the light can be adjust automatically based on the outside environment
4. Lithium Battery can be changed when life is over

Solar Street Light-40W

Description:
1. 1. Monocrystalline silicon solar panel: 15V/60W
2. Lithium Battery: 12V/30AH
3. LED: Bridgelux LED, 40pcs, 6000-7000K, 4000-4400LM
4. Charge time: 7.5 hours
5. Working time: 69 hours

Advantages:
1. Infrared sensor: 100% brightness when people coming, 30% brightness after 1 min people left
2. Photocell: work automatically at night
3. Intelligent control: the brightness of the light can be adjust automatically based on the outside environment
4. Lithium Battery can be changed when life is over

Solar Street Light-50W

Description:
1. Monocrystalline silicon solar panel: 15V/70W
2. Lithium Battery: 12V/40AH
3. LED: Bridgelux LED, 40pcs, 6000-7000K, 5000-5500LM
4. Charge time: 8.6 hours
5. Working time: 76 hours

Advantages:
1.Infrared sensor: 100% brightness when people coming, 30% brightness after 1 min people left
2.Photocell: work automatically at night
3.Intelligent control: the brightness of the light can be adjust automatically based on the outside environment
4.Lithium Battery can be changed when life is over

Solar Street Light-60W

Description:
1. Monocrystalline silicon solar panel: 15V/70W
2. Lithium Battery: 12V/40AH
3. LED: Bridgelux LED, 60pcs, 6000-7000K, 6000-6600LM
4. Charge time: 8.6 hours
5. Working time: 64 hours

Advantages:
1.Infrared sensor: 100% brightness when people coming, 30% brightness after 1 min people left
2.Photocell: work automatically at night
3.Intelligent control: the brightness of the light can be adjust automatically based on the outside environment
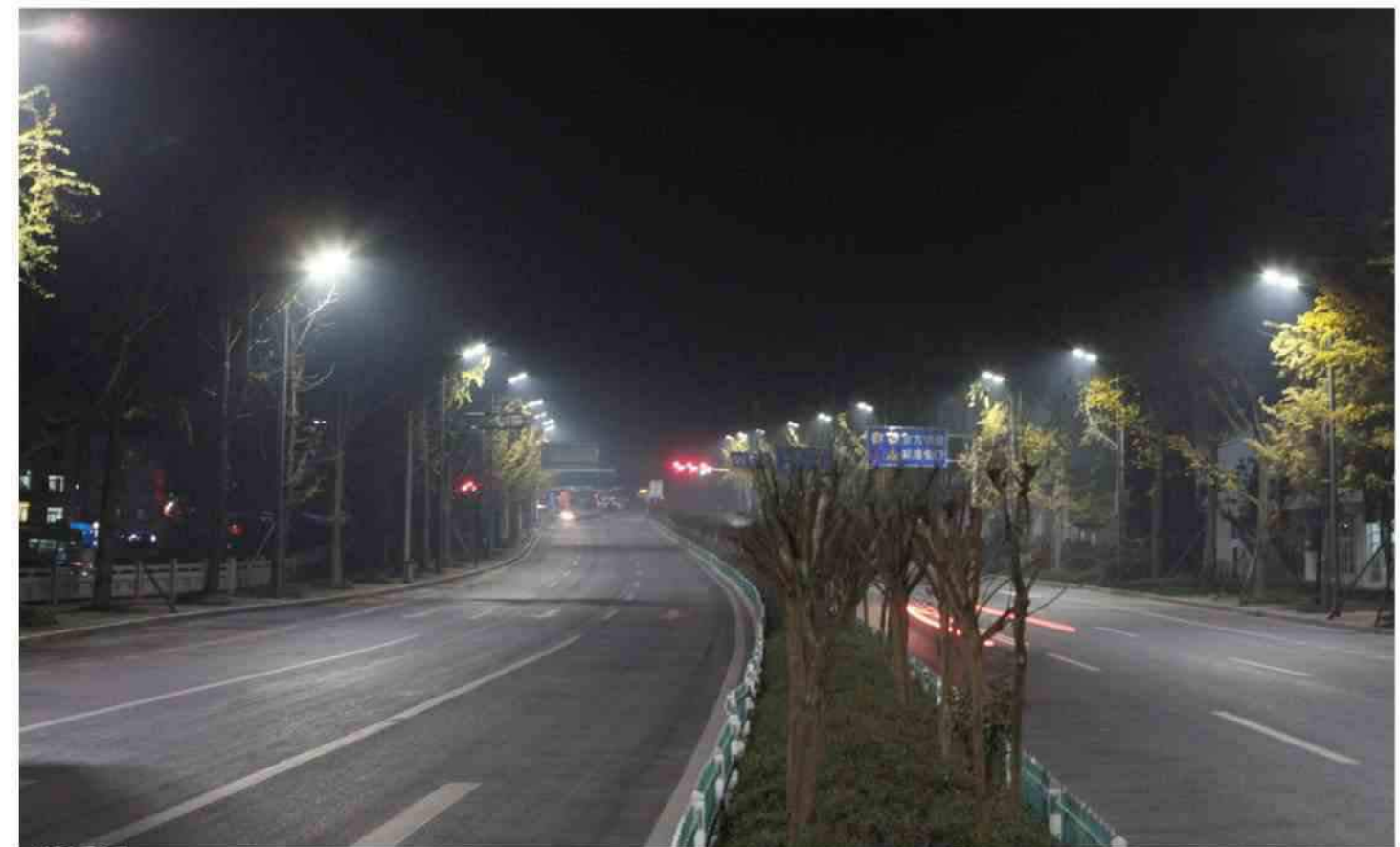4.Lithium Battery can be changed when life is over

All in one solar led street light in China

All in one solar led street light in China
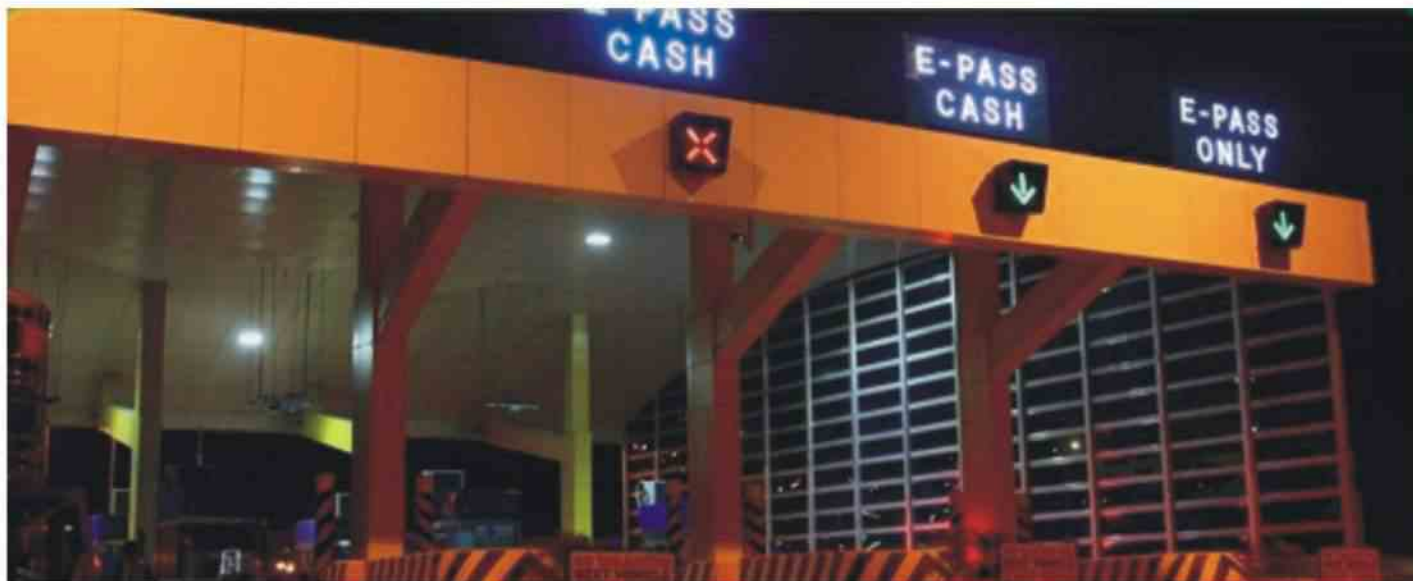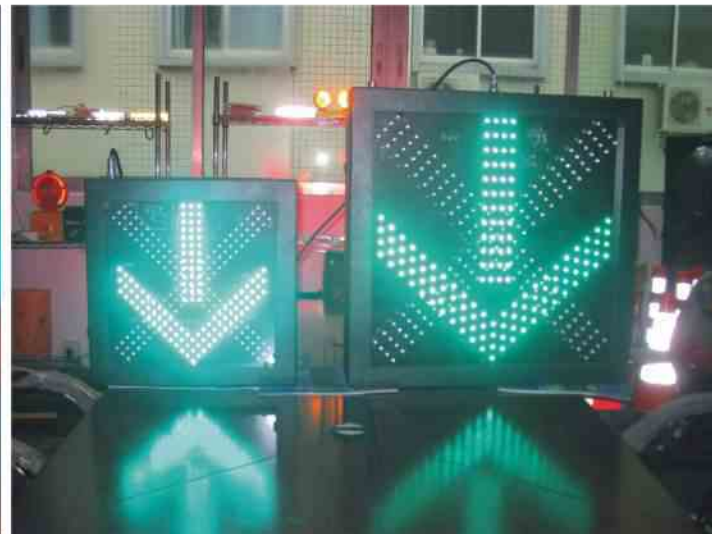
All in one solar led street light in China

All in one solar led street light in China

LED Driveway Indicator Light

Model No.: TP-CD

Description:
1. Work Volt: 12VDC/24VDC,85VAC~265VAC,50HZ/60HZ
2. Protection Level: IP65
3. High Brightness LED
4. Size: 400*400MM or 600*600MM

Solar Mobile Traffic Signal Light

Introduction:

Solar Mobile Traffic Light is a kind of emergency traffic light, which is can be removable, raising and falling by yourself. It is solar powered, use energy-saving LED light source emitting diode, controlled by microcomputer IC chip. It can control multi-way road and also be applicable at the intersections of cities and towns. Dealing with traffic problems, like power failure or road under construction etc.,

Description:
1. Used in Some Emergency Situation and Construction Site
2. Solar Powered, No Need Any Wire for Installation
3. Multiple-Function With Working By Multi-Period, Multi-Programs, Multi-Phases
4. Low Consumption, Unique Opitical System, Uniform Chroma

Description:
1. Shinning diameter: 200MM/300MM/400MM
2. LED: Epistar brand, high brightness
3. Working voltage: 12VDC/24VDC,85VAC~265VAC,50HZ/60HZ
4. Working environment: -40℃~+80℃
5. Visual angle: >30°
6. Visibility: 800M

LED Full Ball Signal Light (two group)

Type	Power	LED quantity
200MM	R≦7.5W,G≦7.5W	90pcs/Light ball
300MM	R≦8W,G≦8W	165pcs/Light ball
400MM	R≦17W,G≦17W	210pcs/Light ball

LED Full Ball Signal Light (three group)

Type	Power	LED quantity
200MM	R≦7.5W,Y≦7.5W,G≦7.5W	90pcs/Light ball
300MM	R≦8W,Y≦8W,G≦8W	165pcs/Light ball
400MM	R≦17W,Y≦17W,G≦17W	210pcs/Light ball

LED Arrow Signal Light

Type	Power	LED quantity
200MM	R≦4W,Y≦4W,G≦4W	38pcs/Light ball
300MM	R≦6W,Y≦6W,G≦6W	69pcs/Light ball
400MM	R≦12W,Y≦12W,G≦12W	120pcs/Light ball

LED Non-Motor Vehicle Light

Type	Power	LED quantity
300MM	R≦8W,G≦8W,G≦8W	93pcs/Light ball

Signal Light with Countdown Timer

Type	Power	LED quantity
300MM	R≦8W+7W,G≦14W+7W	R165+70pcs, G165+70/Light ball

Full Ball & Arrow Signal Light

Type	Power	LED quantity
300MM	R≦8W,Y≦8W,G≦6W*2	R165pcs,Y165pcs G69*2/Light ball
400MM	R≦17W,Y≦17W,G≦12W*2	R210pcs,Y210pcs G120*2/Light ball

LED Pedestrian Signal Light

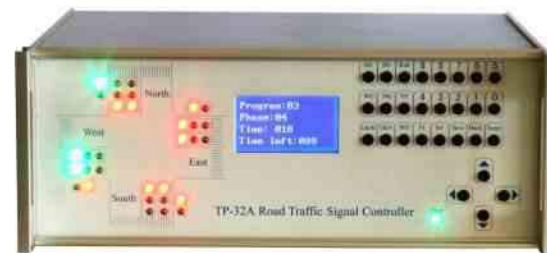| Type	Power	LED quantity
200MM	R≦5W,G≦7.5W	R:60pcs,G:58pcs/Light ball
300MM	R≦8W,G≦14W	R:80pcs,G:81pcs/Light ball

LED Traffic Signal Light Controller

TOPSAFE provides a series of LED traffic signals controller with different styles, including RGY full ball traffic signal light, RGY arrow signal light, red cross and green arrow signal light, RGY turning arrow signal light, RGY bicycle signal light and yellow flash with diverging arrows signal light, pedestrian light, countdown timer and traffic signal light controller.

The Intelligent traffic signal controller, we designed these devices which supply the signal outputs for the traffic signal lights and control them to work. You can choose a simple 14 outputs controller which control a single intersection, you can also choose 64 outputs intelligent traffic controller which control many intersections together, and most importantly, you can control all the operation by the center computer

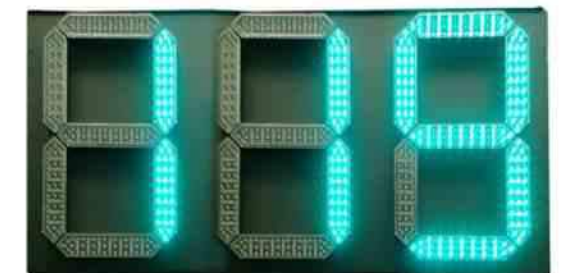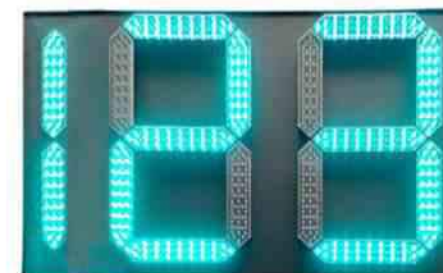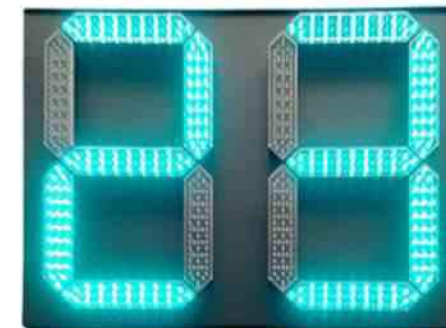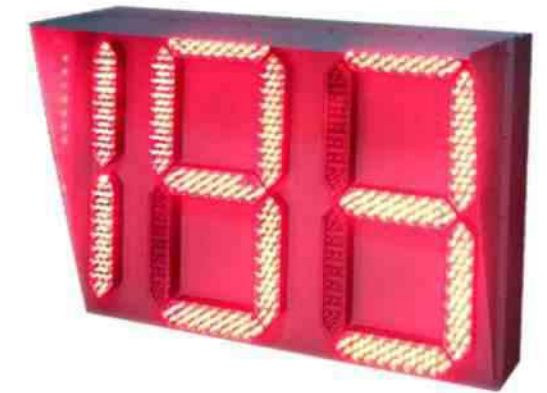|	
Working Voltage : AC 85V~265V	
Working Frequency : 50HZ~60HZ	
Working temperature : -40℃~+80℃	
Output：24/36/48/52/64/104 output	
Power：5W for 24/36/48 output, 15W for 52/64/104 output	
Program：55 program	
Time Error：±1S	

LED Countdown Timer

Description:
1. Shape: round or square
2. Size: Dia 300mm/400mm for round shape, 800*600/ 900*600/ 1100*600MM for square shape
3. Housing Material: GE UV resistance PC
4. Working Voltage: 12VDC/24VDC; 85~265VAC 50HZ/60HZ
5. Protection level: IP65
6. Work environment: -40~+80℃
7. Visibility: (Approx) 800m

LED Traffic Light Module Series

Description:

1. Shinning diameter: 200MM/300MM/400MM
2. Color: Red,Yellow,Green,etc.
3. Working Voltage: 12VDC/24VDC; 85~265VAC,50HZ/60HZ
4. Protection Level: IP65
5. Working temperature: -40℃ ~ +80℃

LED Full Ball Light Module

LED Arrow Light Module

LED Pedestrian Light Module

Non-Motor Vehicle Light Module

Driveway Indicator Light Module

Countdown Timer Light Module

Φ200mm   Φ300mm   Φ400mm

TOPSAFE Projects in the World

LED Traffic Signal Light in China

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Solar Mobile Traffic Signal Light- Light in China

Solar traffic sign in Europe

Solar led Traffic signs in Canada

Solar traffic sign in Saudi Arabia

Solar barricade lamp in Brunei

Solar LED sensor pedestrian sign in Moldova

Solar LED Radar speed detector in Mexico

Solar sunflower warning light in Middle East

Solar Yellow Flashing Light in Netherlands

Solar warning light in Russia

SolarLED road stud in Africa

Solar road stud in Europe

Solar LED Embedded road stud in Russia