

A Smart Renewable Energy Solution

**50W**

**All-in-One Integrated Solar LED Street Light**

# Specifications

**HT-SS-1H50**

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Jan. 2016

## Key Features:

- All-in-one integrated compact design;
- No external wires or cables needed;
- Using high brightness Bridgelux chips from USA, efficiency upto 150LM/W; LED light 125LM/W;
- Professional optical lens design adopts light transmittance over 92%,light utilization over 45%;
- Sunpower monocrystalline PV from USA adopt over 22% conversion efficiency;
- High quality lithium Iron phosphate(LiFePO4) battery adopt lifetime over 2000cycles(5~8 years);
- 100% solar powered green renewable energy;
- Auto turn on at dusk and turn off at dawn;
- PIR motion sensor optional, help to save more power;
- Patent pended elegant design adopts corrosion protection

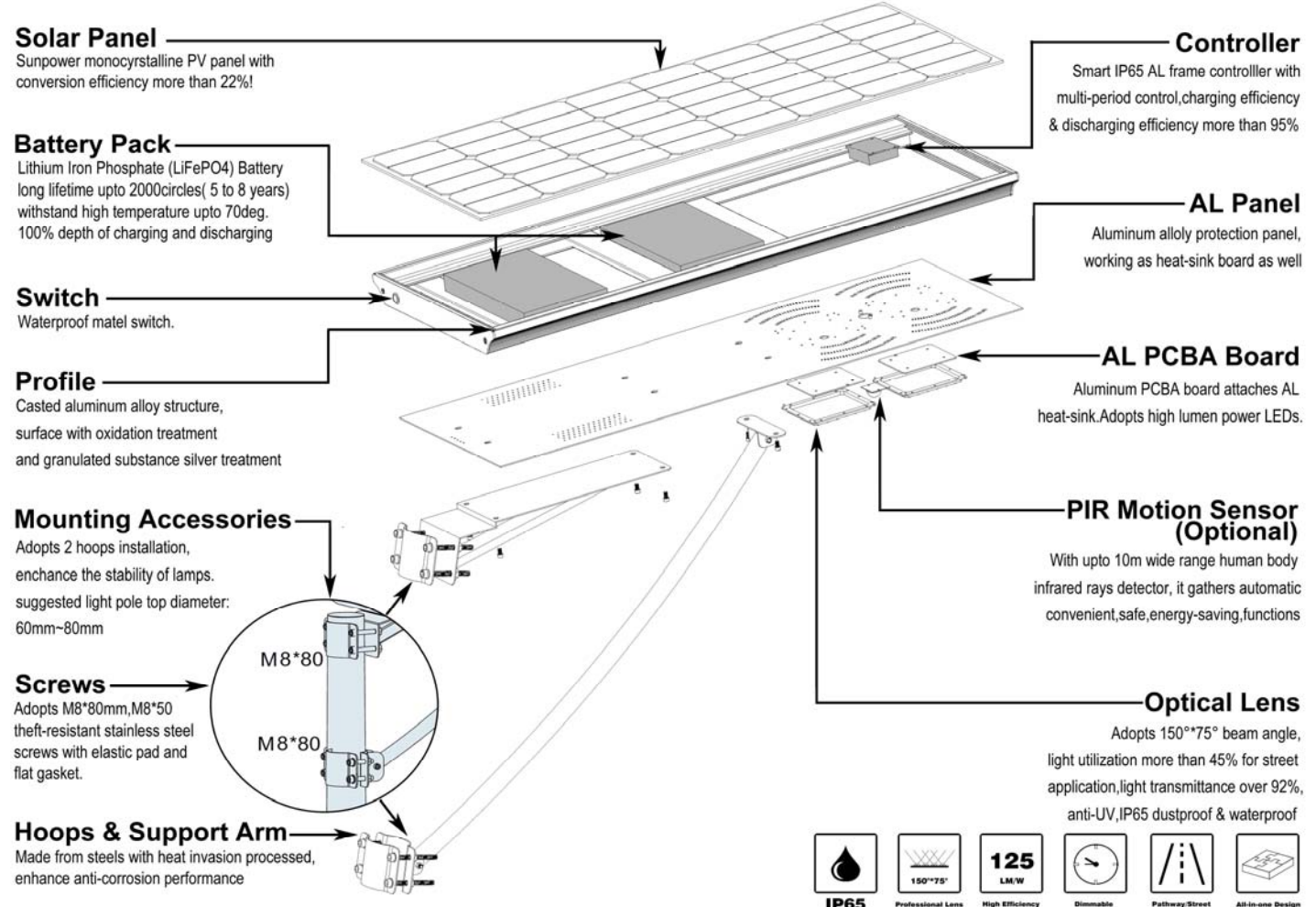
## Benefits:

- Small volume helps to save freight cost and storage cost;
- No need trenching or wiring job ,reduce labor cost and materials cost;
- Renewable energy ,no electronic bills any more;
- Professional light distribution design eliminate the light waste;
- High quality durable components ensure 5 to 8 years no maintenance;
- User friendly. Plug & Play design. Fast installation. No need training;
- Green light reduce fossil fuel consumption, eliminating pollution;
- Battery backup for cloudy and rainy days;
- IP65 design suitable for any place where is sufficient sunshine

## Applications:

residential road, parking lot,pathway,ramp,farm & ranch lighting,wildlife area, dock& pier,military,personal garden,plaza,street, highways.....any exterior area wherever there is sufficient sunlight.

## Introduction:



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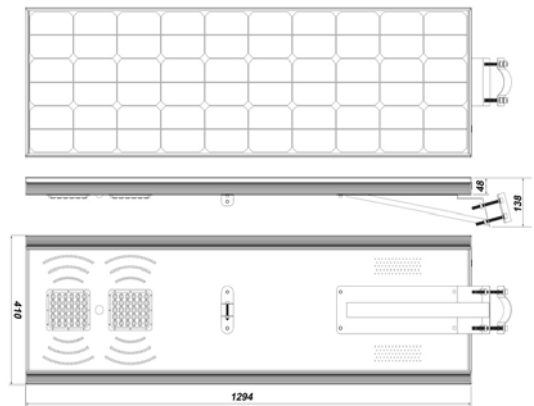
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## HT-SS-1H50 All-in-one Solar LED Light Specifications:

Parameter		Value
Solar panel (Sunpower from USA)	Max power	100W
	Life time	25 years
Battery	Type	538WH LiFePO <sub>4</sub> battery
	Life time	>2,000 Circles ( more than 5 years)
LED Lamp	Max power	50W
	LED chip brand	Bridgelux from USA
	Lumen (LM)	5,500-6,250lm
	Life time	50,000hours
	Viewing Angle	150°/75°
Charging time	by sun(strong)	5~6hours
Discharging time	Full power	>10hours
	Saving mode	3 to 5 days
Working temperature	Range( °C )	-20°C~+60°C
Color temperature	Range(k)	6000k~6500k(optional)
Mounting height	Range (m)	5-8m(suggested)
Space between light	Range (m)	20-30m(suggested)
Housing material	Aluminum alloy	
Certificate	CE / ROHS / IP65	
Packing & Weight	Product size	1350*410*138mm
	NW.for one unit	25kg
	Carton size	1420*480*210 mm
	Q'ty/ctn	1sets/ctn
	GW.for carton	28kg
Container load	20GP	160pcs
	40GP	330pcs

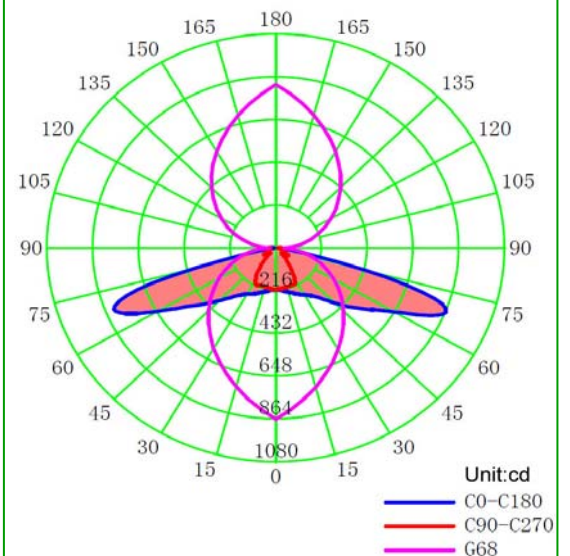
### Lamp Size Chart



### Physical Pictures



### Intensity Distribution Diagram



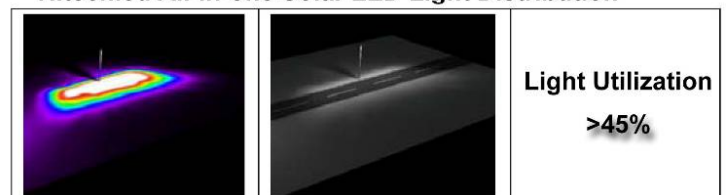
## Comparasion:

\* Contents are subject to change without prior notice.

### Traditional Light Distribution



### Hitechled All-in-one Solar LED Light Distribution



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