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IOU International

2023 - 2024SERIES



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PATENT INTRODUCTION



SMART SOLAR POLE

Emergency Info Release

Road Surface Monitoring
Bridge Detection

Safety Card Help Call

Micro Base Station

Wi-Fi

RFID

Environmental Monitoring

PM2.5/ Wind/ Temperature/ Humidity/ Noise

Charging Pile

Intrusion Detection

Info Display:

- No Parking.
- Setting up a stall is strictly prohibited.

Emergency Monitoring

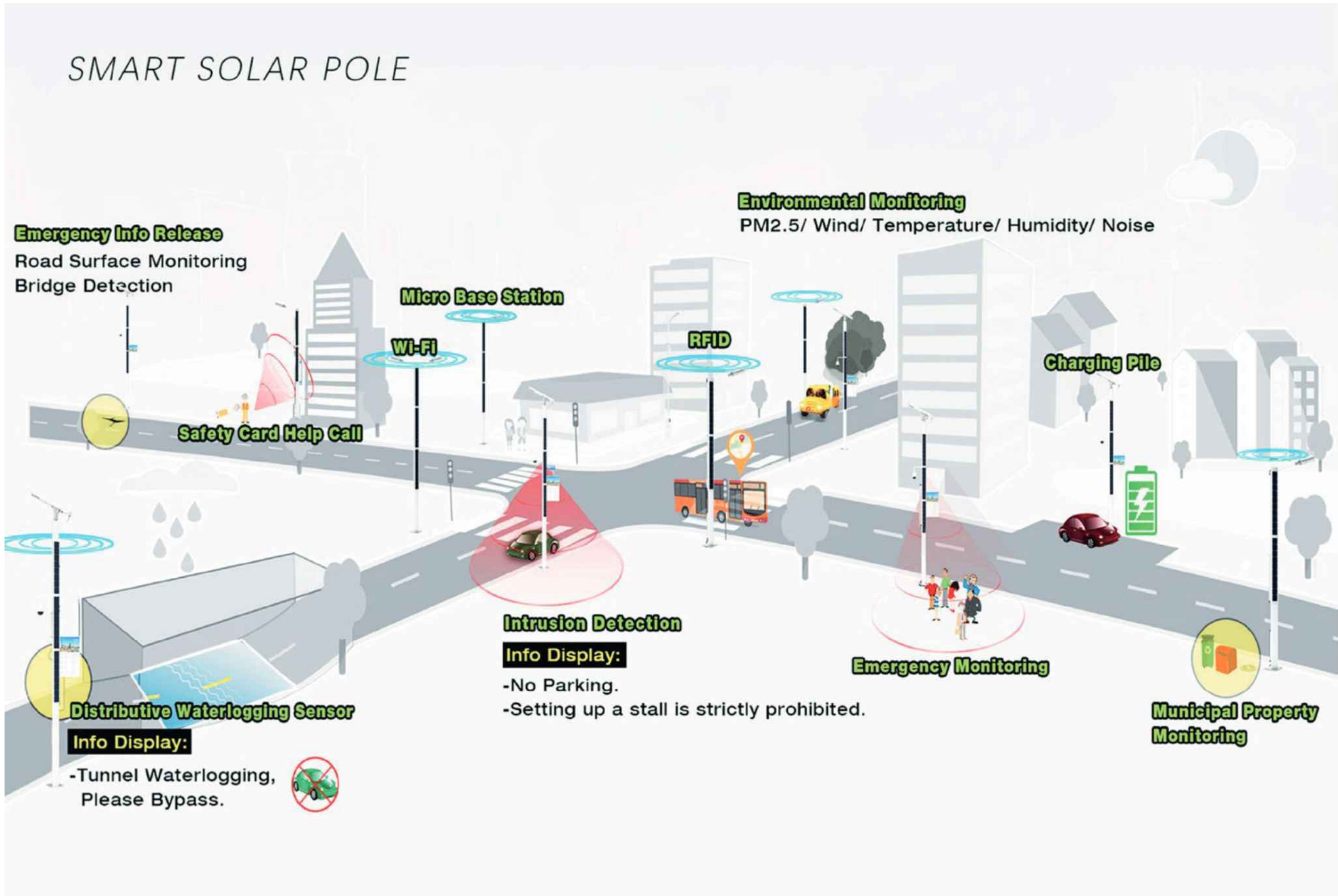
Distributive Waterlogging Sensor

Info Display:

- Tunnel Waterlogging,
Please Bypass.



Municipal Property Monitoring



SMART SOLAR POLE

Intelligent Lighting

- Task planning
- Early warning
- Remote control and adjust brightness
- Single lamp control and group control
- Google map
- Real time checking the work status of solar panel, Battery, LEDS, Light temperature
- AI cloud task

SOS Button

- Push-to-talk
- Active call

5G Ready

- 5G Micro Base Station
- WIFI Hotspot
- IOT Gateway

IOV

- Vehicle to everything
- Infinity Running

Release Information

- Environment information
- Real-time Traffic
- Early-warning Information
- Customized Information Release



Video Surveillance

- Vehicle Monitoring
- Face Recognition
- Analysis of Traffic Flow and Passenger Flow
- Group Abnormal Event Monitoring

Public Broadcasting

- Regular Broadcast
- Emergency Broadcast

Touching Screen

- Information Release
- Information Query
- Application Integration

Smart Charging Pile

- EV Car
- Electric Bicycle, Mobile Phone, etc.

Environment & Meteorology

- Temperature and Humidity
- Fire Alarm, Noise
- PM2.5, PM10
- Poisonous Gas

- Original Design
- ODM and OEM (Creations welcomed)
- Intelligent Customized Software



Model NO.	Light Output(Typ)	Max Power	Installation Height	Installation Distance	Net Weight
Smart solar pole	10000LM	160W	6M	18M-20M	126KG

INTEGRATED SOLAR STREET LIGHT



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OPTIONAL

NEW HYPERION

- Modular design,SKD shipping available
- Buckle design,Easy-to-install, Tools-free maintenance
- New generation of solar cell,60% increase in efficiency



Model NO.	Light Output(Typ)	LED Output power(max)	Installation Height	Installation Distance	Net Weight
NHP-3000	5000LM	40W	3M-6M	18M-24M	13.5KG
NHP-5000	10000LM	50W	6M-8M	22M-30M	19KG
NHP-8000	12000LM	80W	8M-10M	30M-36M	24.5KG
NHP-10000	20000LM	125W	10M-12M	38M-45M	30KG

STAND-ALONE SOLAR POLE LIGHT



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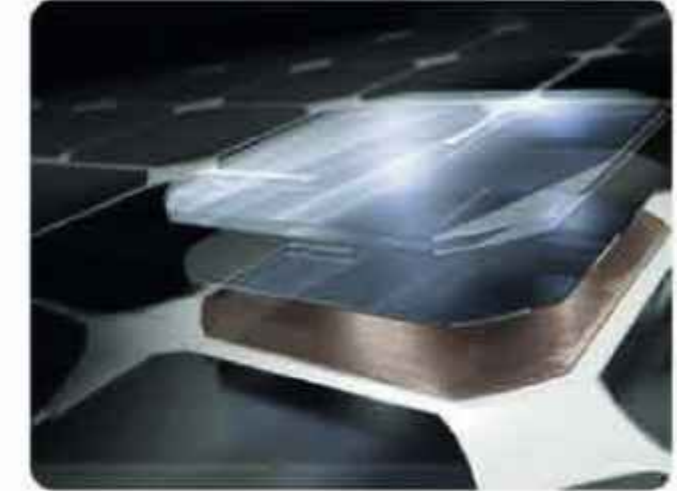
◀ *Built in pole battery*



◀ *Two-sided solar panel*

HELIOS

- Vertical PV system, No dirt and dust
- Unique copyright from NOMO china
- Triangular shapes can withstand high wind speeds



Model NO.	Light Output(Typ)	Max Power	Installation Height	Recommend Pole Distance	Net Weight
H5	10000LM	80W	5M	18M-20M	93.1KG
H6	15000LM	100W	6M	22M-24M	106.6KG
H8	18000LM	200W	8M	30M-32M	126.4KG
H10	24000LM	250W	10M	35M-40M	151.9KG

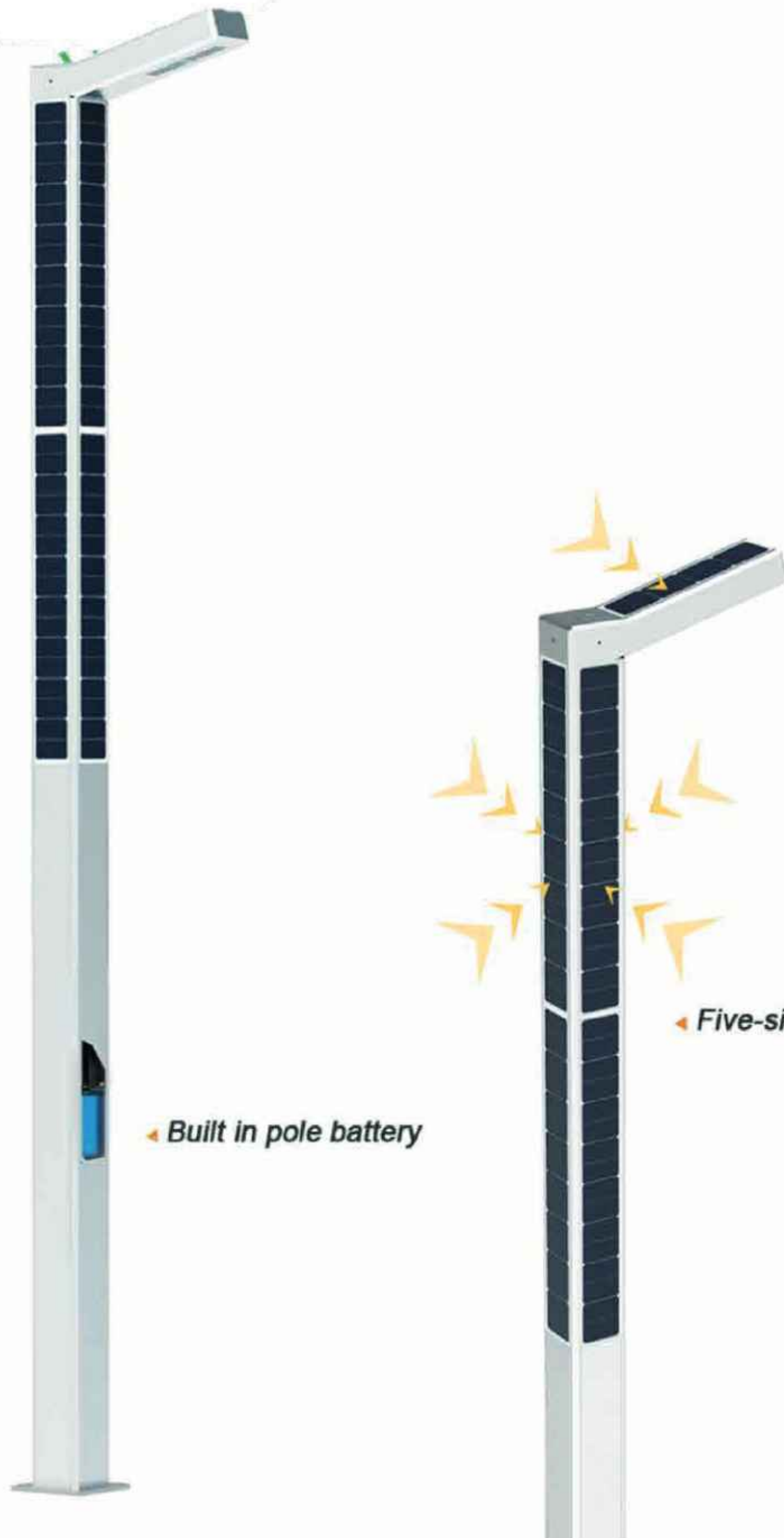
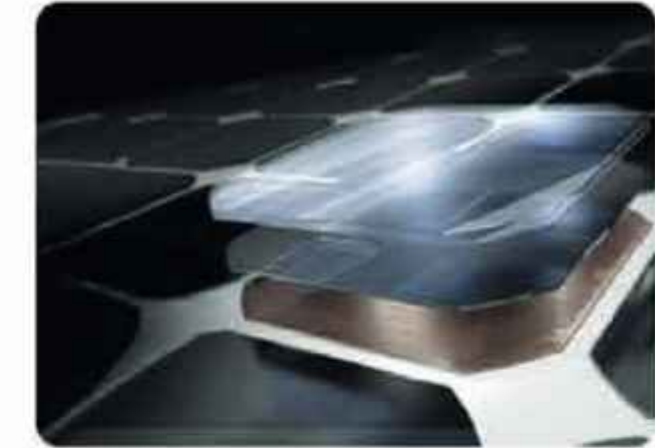
SOLAR OUTDOOR POLE LIGHT



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SQUARE HELIOS

- Battery in pole
- Exclusively designed in China
- Russian / Ukraine projects approved



◀ Built in pole battery

◀ Five-sided solar panel

Model NO.	Light Output(Typ)	Max Power	Installation Height	Installation Distance	Net Weight
Square Helios	6000LM-20000LM	125W	6M-10M	30M-100M	175KG

ALL-IN-TWO SELF-CLEANING SOLAR STREET LIGHT



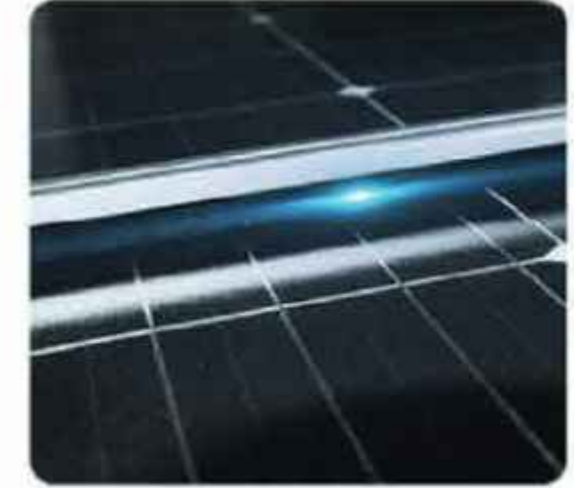
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EOS

- Self cleaning Solar panel (Independent or Multiple)
- Maximum available power output for solar light applications
- Remote or scheduled cleaning from our IOT system



Model NO.	Light Output(Typ)	Max Power	Installation Height	Installation Distance	Net Weight
EOS-120W	12064LM	125W	10M-11M	38M-42M	46.1KG
EOS-160W	16792LM	160W	11M-12M	42M-48M	51.2KG
EOS-240W	30000LM	250W	12M-13M	45M-50M	63.2KG
EOS-320W	40000LM	320W	13M-14M	50M-55M	73.2KG

ALL-IN-ONE SELF-CLEANING SOLAR STREET LIGHT



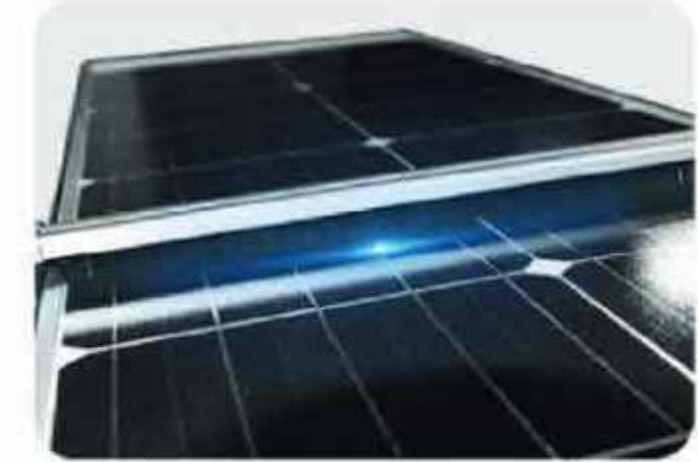
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IROBOT

- Airports approved
- Nationally and Internationally Patented
- 100,000 units and more deployed Globally



Model NO.	Light Output(Typ)	Max Power	Installation Height	Installation Distance	Net Weight
3000SC	6000LM	50W	6M-9M	20M-28M	19KG
5000SC	12000LM	100W	9M-12M	28M-36M	28KG

SOLAR TRACKING LIGHT



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KUAFU SERIES

- Intelligent sunlight tracking
- Solar panels can keep the best power generation all day
- Self-cleaning function

Model NO.	Light Output(Typ)	Max Power	Installation Height
KUAFU- 80	5000-7000LM	80W	7M-9M
KUAFU- 120	8000-15000LM	120W	9M-10M
KUAFU- 160	10000-25000LM	160W	10M-12M

ALL-IN-TWO SOLAR STREET LIGHT



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NEW APOLLO

- 280° light tracking solar panel with adjustable Angle bracket
- professional lighting distribution with self patented lense
- Perefect combination solution to the All-in-One series

Model NO.	Light Output(Typ)	Max Power	Installation Height
NAP - 80	5000-7000LM	80W	7M-9M
NAP - 120	8000-15000LM	120W	9M-10M
NAP - 160	10000-25000LM	160W	10M-12M

ALL-IN-TWO SOLAR STREET LIGHT



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APOLLO

- OEM+ODM light head
- All direction road installation
- Perfect combination solution to the All-in-One series



Model NO.	Light Output (Typ)	Max Power	Installation Height	Installation Distance	Net Weight
AP7000	5000-7000LM	80W	7M-9M	25M-36M	31KG
AP10000	8000-15000LM	120W	9M-10M	32M-40M	33.2KG
AP12000	10000-25000LM	160W	10M-12M	38M-45M	35KG

STAND-ALONE SOLAR GARDEN LIGHT

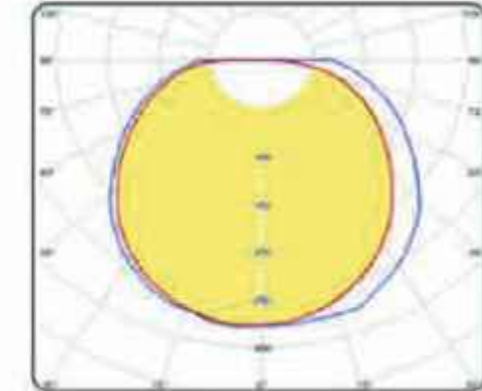


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PALLAS QUAD

- 360 degrees attractive surround Lens
- Facts: Absorbs Maximum Sun Power
- Frameless solar panel for dust resistance



◀ 360° Lighting



◀ Mono crystalline silicon solar panel
◀ 15° Downward Slope

Model NO.	Light Output(Typ)	Max Power	Installation Height	Installation Distance	Net Weight
PALLAS QUAD	4500LM	40W	6M-9M	20M-28M	13KG

ALL-IN-ONE SOLAR STREET LIGHT



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HYPERION

- Modular design
- Whole lamp heat dissipation
- Adjustable mounting bracket



Model NO.	Light Output(Typ)	Max Power	Installation Height	Installation Distance	Net Weight
HP2000	3000LM	20W	4M-6M	15M-24M	8.4KG
HP3000	5000LM	40W	6M-7M	20M-28M	14.2KG
HP5000	10000LM	80W	8M-9M	30M-36M	18KG
HP8000	12000LM	125W	10M-12M	38M-45M	25KG

SOLAR LAWN LIGHT



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MINI HELIOS

- Surfaced Panels
- 100% Aluminum Pole
- 360° Surround lens (Stylish)
- Up to 100Sq Meter of Brightness

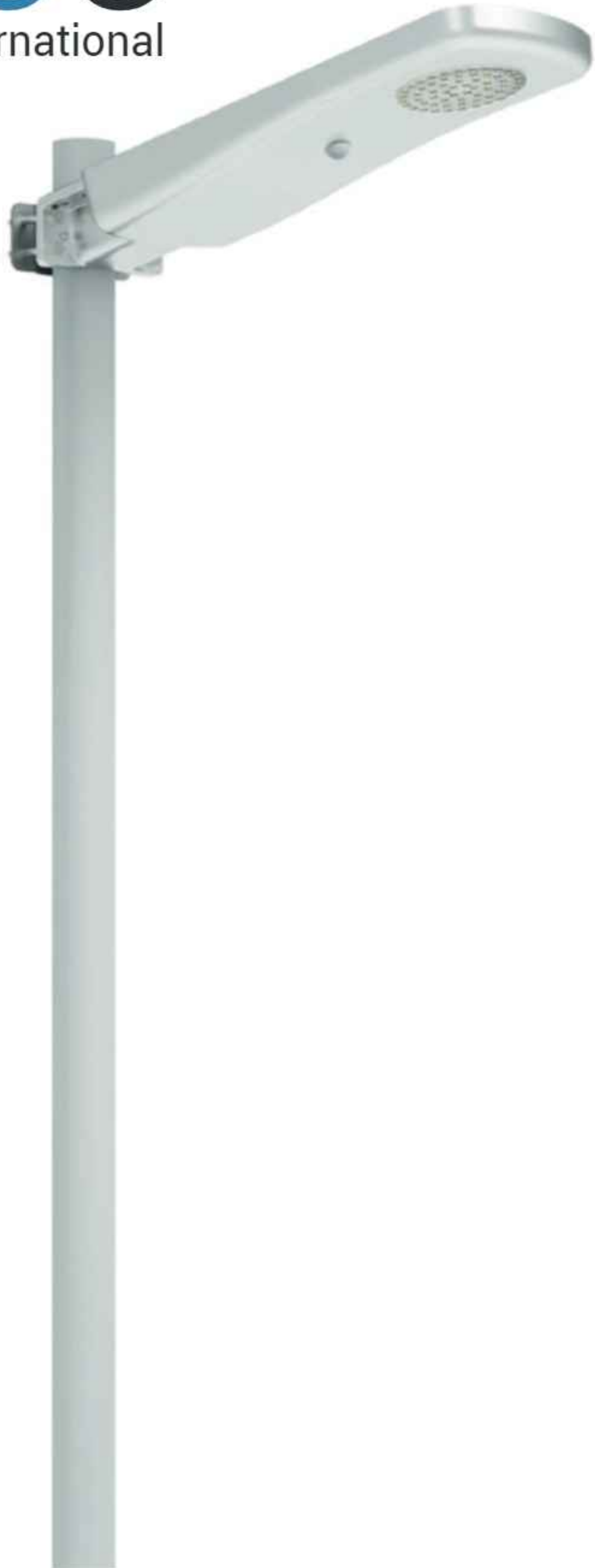


Model NO.	Light Output(Typ)	Max Power	Installation Height	Installation Distance	Net Weight
MINI HELIOS	2000LM	30W	1M	15M	14.5KG

SOLAR PATHWAY LIGHT



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HP1000

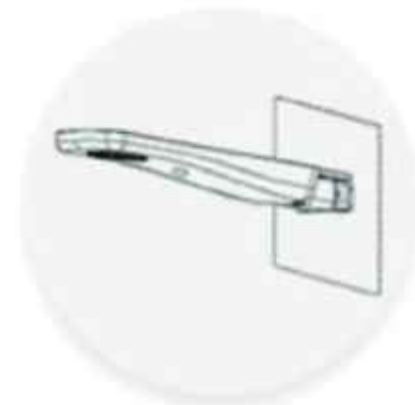
- Professional lens give the best illumination in the industry
- Versatile Mounting (Wall or Pole)
- Upon installation, self activates



Vertical



Horizontal



Wall mounted

Model NO.	Light Output(Typ)	Max Power	Installation Height	Installation Distance	Net Weight
HP1000	2500LM	20W	4M-5M	15M-20M	3.2KG

SOLAR PATHWAY LIGHT



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SELENE

- Upon installation, self activates
- Versatile Mounting (Wall or Pole)
- Professional lens give the best illumination in the industry



Horizontal ▶



Wall-mounted ▶

Model NO.	Light Output(Typ)	Max Power	Installation Height	Installation Distance	Net Weight
SELENE	1960LM	18W	4M-5M	15M-20M	2.5KG

SOLAR HIGH MAST LIGHT

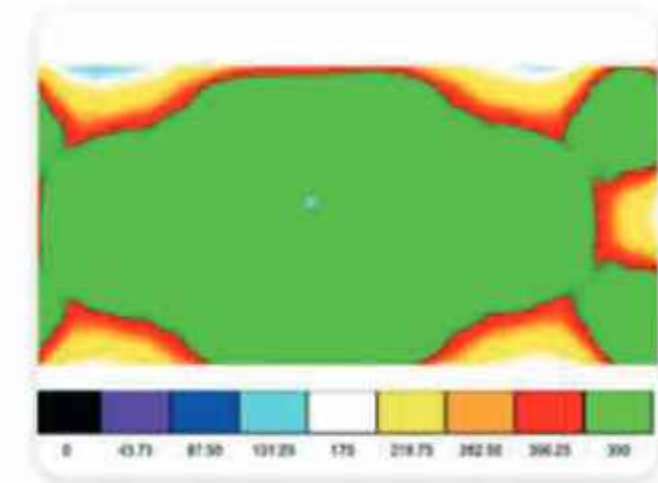


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ASTRO

- Perfect blanket coverage lighting system
- Wide coverage, customized, no Dark areas
- High mast installation, adjustable to light any landscape



360° Rotation

360° Rotation

Model NO.	Light Output (Typ)	Max Power	Installation Height	Installation Distance	Net Weight
AT10000	10000LM	125W	9M-10M	32M-40M	38.9KG
AT20000	20000LM	160W	10M-12M	38M-45M	42.5KG
AT30000	30000LM	250W	11M-13M	40M-48M	59KG
AT40000	50000LM	320W	13M-14M	45M-52M	62.5KG

COMMERCIAL SOLAR LIGHT



SOLAR ELF



- Independently adjustable solar panel and LED perfect light placement.
- Adjustable mechanisms from zero to 120 degrees.
- Perfect for : Walkways, Bridges, Entrances, Roof edges and Many more.



Model NO.	Light Output(Typ)	Max Power	Net Weight
Solar Elf-5W	500LM	5W	1.2KG
Solar Elf-15W	1500-2000LM	15W	2.8KG
Solar Elf-25W	2000-3000LM	25W	5KG

LED SOLAR LIGHTING TOWER

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LED Solar Lighting Tower



- Free movement
- Emergency use
- Integrated LCD display



Lift Pole



Movable Solar Panel



With Brake

Model NO.	Pmax	100W Floodlight	Battery Capacity	Lift Pole	Material
LED Solar Lighting Tower	80W*2 (mono)	2 PCS	Top level LiFePO4 1100WH	3-7 meters optional	Stainless steel

PORTABLE SOLAR ENERGY SYSTEM



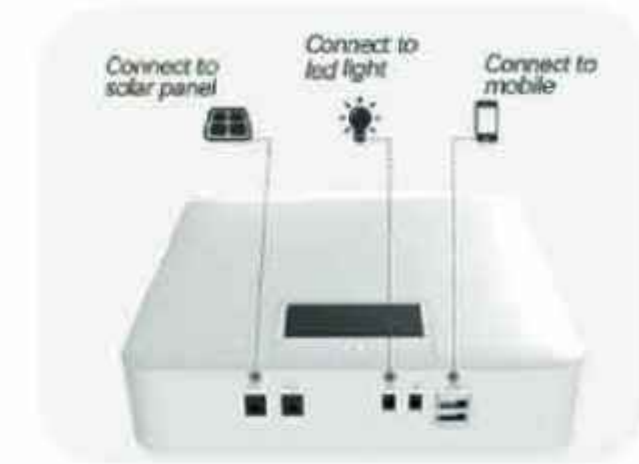
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Portable Solar Energy System

- Home Integration
- Built for portability
- Expandable capacity



Model NO.	Battery Capacity	Max Power	LED Bulb	Net Weight
PSES-16W	80WH	16W	2PCS 700LM/PC	2.8KG
PESE-32W	160WH	32W	4PCS 700LM/PC	4.8KG

SOLAR OFF-GRID HOME SYSTEM

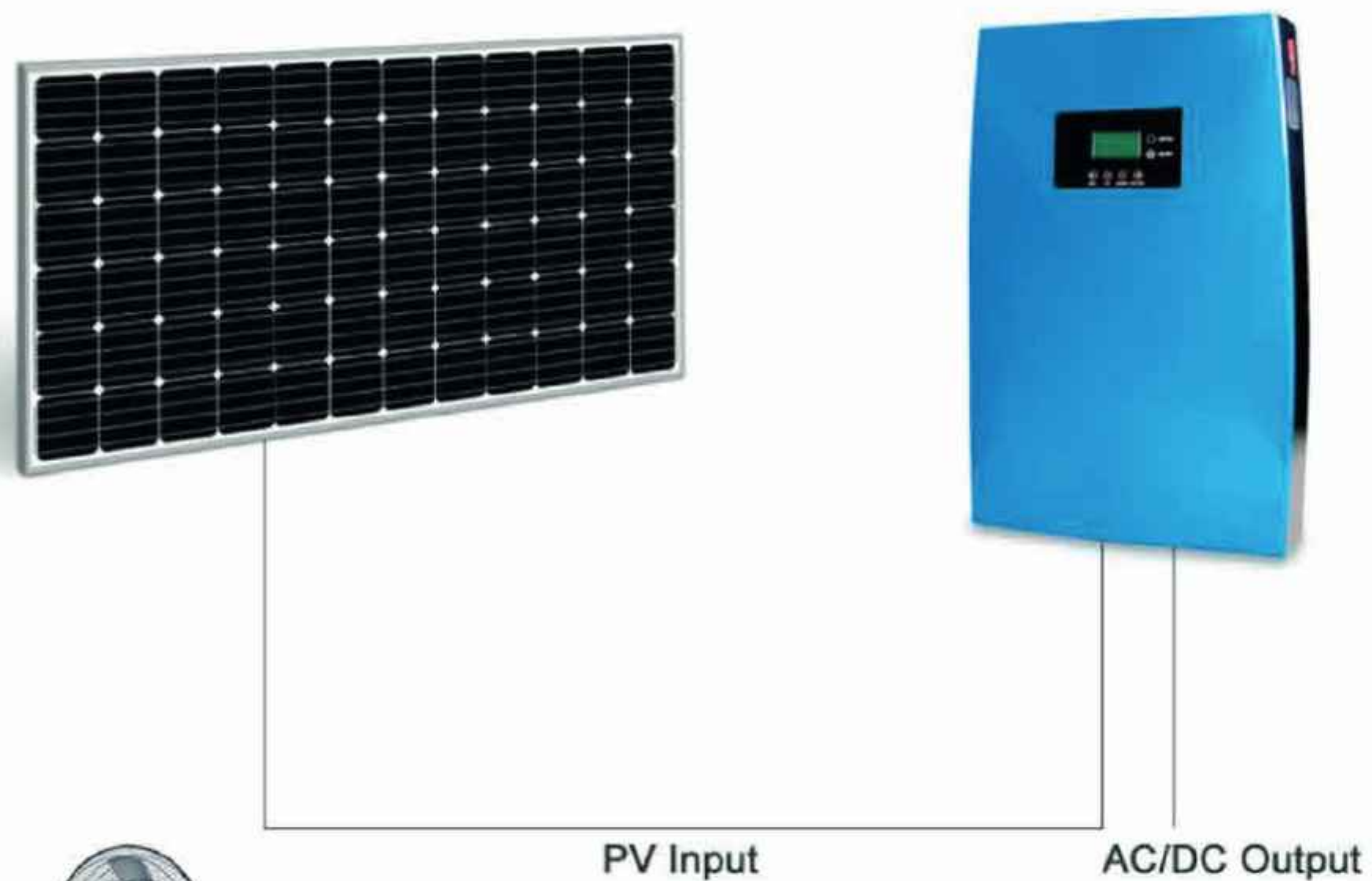


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Solar Off-Grid Home System

- Extreme fast charge
- Uninterrupted home backup
- Eudurable and long lifespan up to 10 years
- Up to 10KW power storage, Connects Parallellly



80 Hours
20W Fans



16 Hours
100W Refrigerator



32 Hours
50W TV



8 Hours
200W PC

Model NO.	Battery Capacity	Max Power	Rated Input Current	DC Output Current
PW-160W	512WH	160W	20A	15A
PW-260W	768WH	260W	25A	20A
PW-320W	768*2WH	320W	30A	25A

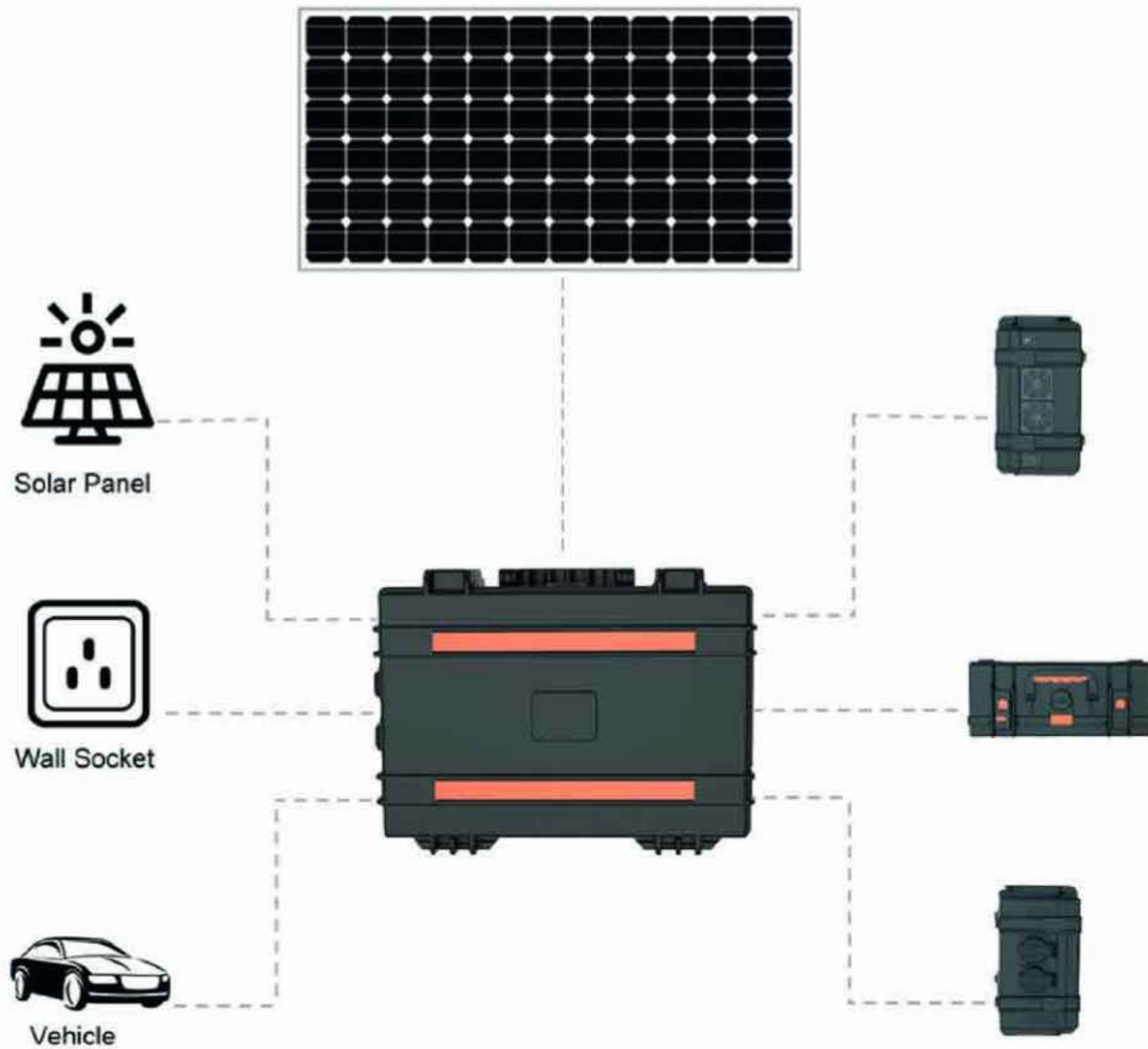
SOLAR ENERGY STORAGE SYSTEM



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Solar Energy Storage System



- Durable: Use rechargeable battery and high quality solar panels, with lifetime more than 10000h
- Widely applicable to camping, hiking, fishing, expedition, hunting, outdoor activities
- 3 ways charging - by solar energy, car charger or by AC power

Model NO.	Battery Capacity	Max Power	AC Output	Charging Methods
Portable inverter system	830WH	200W	1000VA	PC . AV . Car charge

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SOLAR GENERATOR



- dual fast charging indoor/outdoor
- SOC intelligent computing chip, fully intelligent multi-core screen display.
- Multiple devices can be supplied at the same time without interfering with stable output.

Model NO.	Rated Power	Battery Capacity	Net Weight
Solar Generator	2000-4000W	2560WH	28KG

SOLAR ENERGY STORAGE SYSTEM



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Solar Energy Storage System



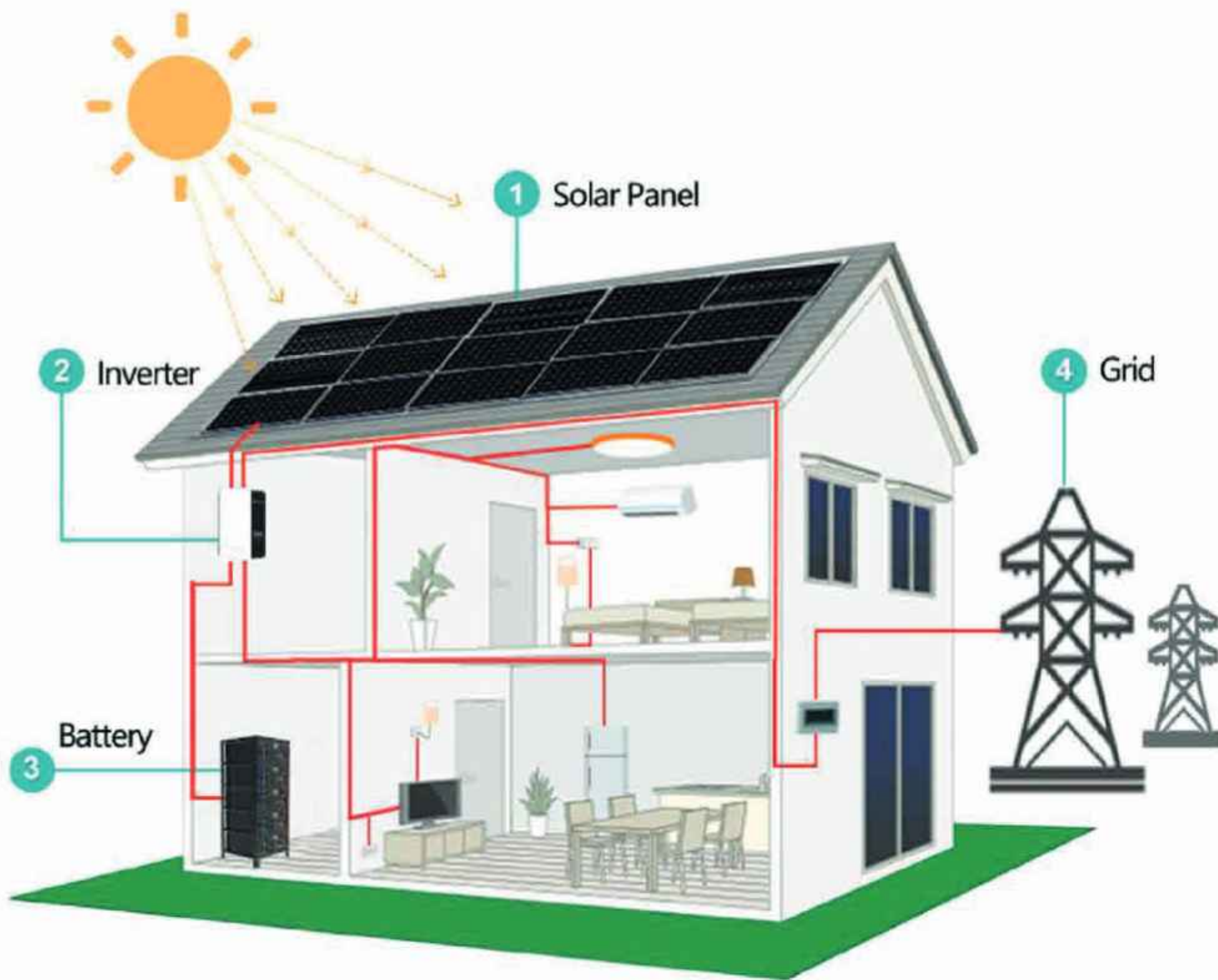
- One to power all your devices
- Go green with affordable budget
- Customized solar power solutions

Rated Voltage	Rated Capacity	Rated Energy	Output Voltage	Output Power
51.2V	300Ah	15.6KWH	110V/240V	3KW/5KW

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Premium Selection



Standard Pack
(1-2 People Usage)

Solar Panel	550W*4 PCS
Storage Battery	51.2V 100AH *1 PC
Inverter	SPF-5000ES *1 PC
Indoor Mounting Bracket	1 Set
Solar Panel Rack	1 Set
Breaker	1 PC
Recommended Roof Area	12 M ²



Standard Pack
(3-4 People Usage)

Solar Panel	550W*8 PCS
Storage Battery	51.2V 100AH *2 PC
Inverter	SPF-5000ES *1 PC
Indoor Mounting Bracket	1 Set
Solar Panel Rack	1 Set
Breaker	1 PC
Recommended Roof Area	24 M ²



Standard Pack
(5-6 People Usage)

Solar Panel	550W*12 PCS
Storage Battery	51.2V 100AH *3 PC
Inverter	SPF-5000ES *2 PC
Indoor Mounting Bracket	1 Set
Solar Panel Rack	1 Set
Breaker	1 PC
Recommended Roof Area	36 M ²