



# 2019 - 2020 SERIES

PRODUCTS / TECHNOLOGY / APPLICATIONS

NOMO GROUP CO., LIMITED



## Company Profile

NOMO GROUP CO., LIMITED founded in 2006. As a leader of lighting business, we are launching a full series of our products which are completely related to smart city, such as intelligent iRobot, intelligent solar street light, smart pole lights, smart integrated system and energy life saver home systems, environment friendly. Being a manufacturer ourselves, we create designs making new moulds for every series.

Having won several tenders together with our customers in certain European, Asian and African markets, we also have a strong team of highly qualified engineers, plus 1,200 staffs, which includes professionals and labour too. Our products are mostly long lasting inspite of warranty periods given. In addition, we obtain a lot of international and domestic patents, especially the self-cleaning design for the light.

Nomo group's introduction video will say it all. Please visit our website: [www.led321.com](http://www.led321.com) for more information. We sincerely welcome all enquiries from all over the world to co-operate with us, to create a brighter future together!

## CERTIFICATES

Till March 2019, NOMO Group has obtained 6 invented patents, 36 utility model patents authorized by smart solar lights industry, 13 software copyrights, 12 appearance patents and national high-tech company. NOMO group's products obtained hundreds of domestic and International products certifications, including CE, ETL, UL, CUL, CCC, ROHS etc inspection and related certifications.





NOMO's smart city solution integrates cloud, network and platform technologies to link the whole city smartly and virtually with convenience and effective management. Connect the operations of entire cities, providing information such as waste management, traffic congestion, energy shortages, sewer system performance, air quality monitoring, and other information to provide governments and citizens safer environment and predictable information and solutions.

### PRODUCT FEATURES

- High tech intelligent design infrastructure
- Provide environmental and sustainable development strategies
- Reducing manpower and extra cost in the long run
- Find cause of failure as soon as it occurs
- Provide fire and all safety security
- Become the Solid Brain of the whole city

#### Emergency Info Release

Road Surface Monitoring  
Bridge Detection

Safety Card Help Call

Micro Base Station

Wi-Fi

RFID

Charging Pile

#### Environmental Monitoring

PM2.5/ Wind/ Temperature/ Humidity/ Noise

#### Intrusion Detection

Info Display:

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

#### Emergency Monitoring

#### Municipal Property Monitoring

Distributive Waterlogging Sensor

Info Display:

- Tunnel Waterlogging, Please Bypass.





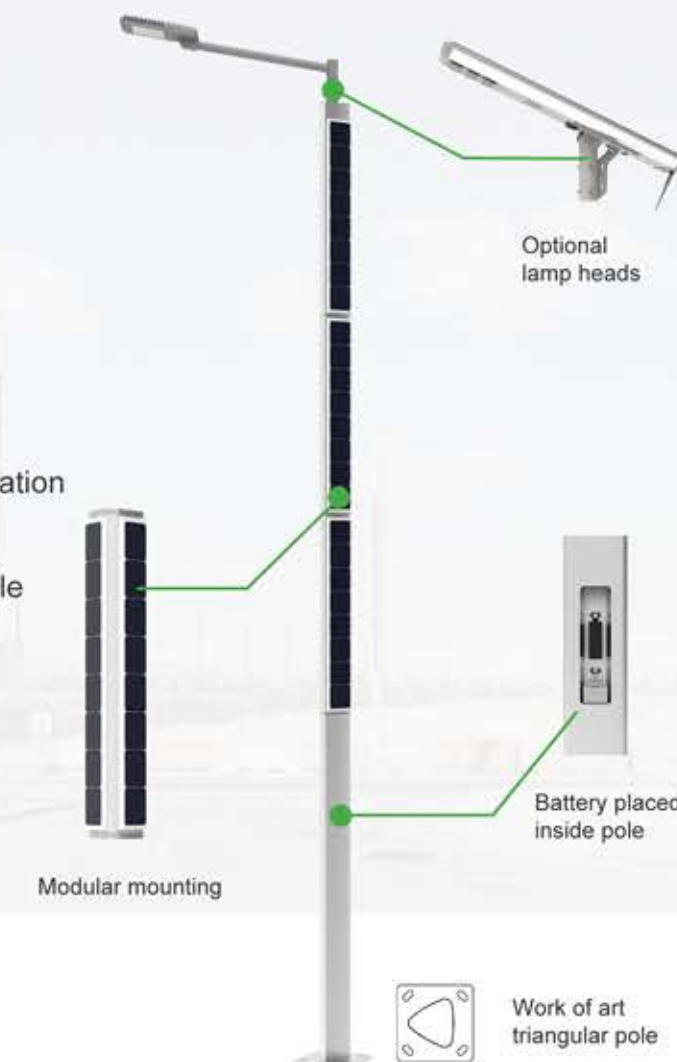
# HELIOS SERIES

NOMO's HELIOS displays a Highly Tall Standing, Uniquely Shaped form and well-designed Solar Street Pole light. Having Not only a first impression appearance (look), but a strong wind resistance that have light weight solar panels on top of the pole as well as a best performance to absorb directly sunlight from any angle during the day, with a performance of higher level operating reliability. Additionally it has more sophisticated technology that can prevent dust, snow, bird poop, or any applications from garden and landscape issues, which often leads to reducing the generated power efficiency and also cause charge failure.



## PRODUCT FEATURES

- Work of ART Triangular Pole
- Convenient Installation/Handling and transportation
- Optional lamp heads, especially the Hyperion lamps as well as the solar panels on Helios pole
- Battery placed inside pole – easy handling and replacement
- Intelligent remote operations



## SPECIFICATION

Specifications	H5(HP-3000)	H6(HP-3000)	H8(HP-5000)	H10(HP-5000)
Maximum Light Output	10000LM	15000LM	18000LM	24000LM
Battery - Type	Newest-generation LIFEPO4 battery			
Battery Capacity	1000WH	1250WH	1500WH	2500WH
Battery - Service Life	8 Years at 70% DoD and at 45° ambient			
Light Source - Type	High Efficiency LED, Colour Temperature WW 3200K;NW 4200K;CW 5500K (Customized)			
Light Head Lifetime	100,000 hours to LM80 specifications			
Optical Efficiency	>93%			
Solar Panel (W)	200W	280W	400W	560W
Solar Panel - Service Life	25 Years			
Solar Cells	Very High Efficiency – Proprietary Solar Cells (Greater than 21.5%)			
Controller	Microprocessor based Energy Management and Wireless Communications			
Recommended Pole Height	5m	6m	8m	10m
Dimensions (L x W x H)	500*280*280mm	600*280*280mm	760*280*280mm	1000*280*280mm
Operating Temperature	-15°C to +70°C			
Protection Rating	IP67			
Wireless Network	Zigbee Proprietary Wireless Network allows Remote Management and Control of Lights using Internet or GSM. One gateway(DTU) per 200 lights and all the gateways report to a central control room.			





# IROBOT



NOMO's exclusive labour saving robotic self-cleaning solar street light, is specially created to offer a wide range of applications, especially in places where it seldom rains. Our solar street lights can self clean the dust or any other particles from the surface of the solar panel. It's a great advantage to have an built-in self-cleaning system. Setting by oneself commanding twice a day, swipe cleaning back and forth that totals up to 4 slides via our Data Transmitting Unit. Time setting can be adjusted in your favour from your account on DTU.



## PRODUCT FEATURES

- Protects from dust, sand, snow or birds' poop stuck for an efficient and better operation of panel
- On Demand! panel cleaning via DTU
- In built cleaning system
- Convenient maintenance
- Intelligent remote operations



Safe  
Eco-friendly  
Self-sufficient  
Autonomous and Smart

## SPECIFICATION

Specifications	HP-8000SC
Maximum Light Output	5000-10000LM
Battery - Type	Newest-generation LIFEPO4 battery
Battery Capacity	550-1100WH
Battery - Service Life	8 Years at 70% DoD and at 45° ambient
Light Source - Type	High Efficiency LED, Colour Temperature WW 3200K;NW 4200K;CW 5500K (Customized)
Light Head Lifetime	100,000 hours to LM80 specifications
Optical Efficiency	>93%
Solar Panel (W)	100W
Solar Panel - Service Life	25 Years
Solar Cells	Very High Efficiency – Proprietary Solar Cells (Greater than 21.5%)
Controller	Microprocessor based Energy Management and Wireless Communications
Recommended Pole Height	<12m
Dimensions (L x W x H)	1420*420*160mm
Operating Temperature	-15°C to +70°C
Protection Rating	IP67
Wireless Network	Zigbee Proprietary Wireless Network allows Remote Management and Control of Lights using Internet or GSM. One gateway(DTU) per 200 lights and all the gateways report to a central control room.





# HYPERION SERIES



NOMO's HYPERION Series: Intellectually smart solar led street light created with the simplest and convenient installation formula ever. A breakthrough with our "Smart Data Transmitting System", NOT only does it have a smart integrated managing system that allows you to remotely operate or monitor performances of each solar street light via Zigbee/Cloud, also provides an eco-friendly energy with free maintenance as well as cost effective. Our HYPERION is built to resist any tough environments. It can also be used for residential villas, garden, commercial, highways/expressways, urban areas, etc.

## PRODUCT FEATURES

- Aluminium outer mechanism
- Framed panel, easy replaceable
- Convenient angle adjustability
- High transmittance distribution
- Intelligent remote operations
- Smooth sliding energy pack=positive features:  
A) Prevent/control over heating  
B) Vulnerable accessories such as batteries, controller-placed in a labor saving strong sliding replaceable energy pack



HP-3000

HP-5000

HP-8000

## SPECIFICATION

Specifications	HP-3000	HP-5000	HP-8000
Maximum Light Output	3000-4000LM	5000-6000LM	7000-10000LM
Battery - Type	Newest-generation LIFEPO4 battery		
Battery Capacity	275WH	550WH	825WH
Battery - Service Life	8 Years at 70% DoD and at 45° ambient		
Light Source - Type	High Efficiency LED, Colour Temperature WW 3200K;NW 4200K;CW 5500K (Customized)		
Light Head Lifetime	100,000 hours to LM80 specifications		
Optical Efficiency	>93%		
Solar Panel (W)	50W	90W	120W
Solar Panel - Service Life	25 Years		
Solar Cells	Very High Efficiency – Proprietary Solar Cells (Greater than 21.5%)		
Controller	Microprocessor based Energy Management and Wireless Communications		
Recommended Pole Height	<8m	<10m	<12m
Dimensions (L x W x H)	905*350*80mm	1295*350*80mm	1700*350*80mm
Operating Temperature	-15°C to +70°C		
Protection Rating	IP67		
Wireless Network	Zigbee Proprietary Wireless Network allows Remote Management and Control of Lights using Internet or GSM. One gateway(DTU) per 200 lights and all the gateways report to a central control room.		



# ASTRO SERIES



High Mast Light is preferred over conventional lighting, because it can achieve a larger space of height to ratios. NOMO's ASTRO is newest high mast light, which has a mix of the improved latest technology on solar energy, LED lighting and IOT street lighting of an intelligent Data Transmitting Unit as well as a perfect new green environmental energy-saving protection. The uniqueness of this design has special sources that can be adjusted in any angle 360 degrees Azimuth and any direction where illumination is required.



## PRODUCT FEATURES

- Astro have both the advantage of All In One and Spilt type
- Adjustable panels for a maximum sunlight absorption
- A 360 degree angle rotation azimuth
- Smart remote operations
- Handling/maintenance/dismantle



## SPECIFICATION

Specifications	AT-10000	AT-20000	AT-30000	AT-40000
Maximum Light Output	10000LM	20000LM	30000LM	40000LM
Battery - Type	Newest-generation LIFEPO4 battery			
Battery Capacity	825WH	1300WH	1800WH	2200WH
Battery - Service Life	8 Years at 70% DoD and at 45° ambient			
Light Source - Type	High Efficiency LED, Colour Temperature WW 3200K;NW 4200K;CW 5500K (Customized)			
Light Head Lifetime	100,000 hours to LM80 specifications			
Optical Efficiency	>93%			
Solar Panel (W)	120W	200W	320W	400W
Solar Panel - Service Life	25 Years			
Solar Cells	Very High Efficiency – Proprietary Solar Cells (Greater than 21.5%)			
Controller	Microprocessor based Energy Management and Wireless Communications			
Recommended Pole Height	<20m			
Dimensions (L x W x H)	1307*517*155mm	1307*833*159mm	1307*1352*159mm	1307*2132*159mm
Operating Temperature	-15°C to +70°C			
Protection Rating	IP67			
Wireless Network	Zigbee Proprietary Wireless Network allows Remote Management and Control of Lights using Internet or GSM. One gateway(DTU) per 200 lights and all the gateways report to a central control room.			



# SELENE(Compact)



NOMO's youngest petite solar light having 3 ways installation benefits, is our patented versatile ALL-IN-ONE solar light that has an attractive and compact mechanism. Having energy savings features and using high efficiency solar energy components, intelligently placed controller with inclusive PIR motion sensor that enhance its performance.

## PRODUCT FEATURES

- Outer mechanism: PC+ABS+Anti-UV
- Slim/ Compact/ Light weight/ Simple yet beautifully designed
- Extended Fixture's size that enables the solar cells to absorb naturally more power from the sun
- Triple ways of Installation:
  - A) On pole
  - B) Wall mounted
  - C) On extended/outstretched arm
- Built-in motion sensor, Optional working/operating modes
- Quick charging, for illuminating overnight



Remote Control

Triple ways of Installation



Vertical



Horizontal



Wall mounted

## SPECIFICATION

Specifications	SELENE
Maximum Light Output	1800LM
Battery - Type	Newest-generation LIFEPO4 battery
Battery Capacity	58WH
Optical Efficiency	>93%
Solar Panel	15W
Solar Cells	Very High Efficiency – Proprietary Solar Cells (Greater than 21.5%)
Solar Panel - Service Life	25 Years
Recommended Pole Height	<6m
Pole Installation	On pole; Wall mounted; On extended/outstretched arm
Working Time	≥30 Hours
Dimensions (L x W x H)	506*183*80mm
Operating Temperature	-15°C to +70°C
Protection Rating	IP67



# PALLAS QUAD

The design of the Pallas Quad solar light comes from the inspiration and power of the universe, combined with the best energy saving parts---solar panel, LED lamp and LiFePO4 battery. With the help of the controller and PIR sensor, it realizes the functions of high brightness with low energy, long lifespan and free maintenance. At the same time, it is very convenient to ship and install. It is one of the best patent products of Nomo Group.



## PRODUCT FEATURES

- Supports more than 10 rainy days with the best technology NOMO 2.0
- European design, hidden solar panel design for landscape lighting
- 2pcs motion sensor for wider sensor range. 360° lighting angle ,210lumen/W
- Dim light for energy saving, higher brightness when sensor passer by
- Automatically turns on at dusk and off at dawn
- Warm white and Pure white can be customized, ODM most welcome



## SPECIFICATION

Specifications	PALLAS QUAD
Maximum Light Output	3000LM
Battery - Type	Newest-generation LIFEPO4 battery
Battery Capacity	280WH
Optical Efficiency	>93%
Solar Panel	45W
Solar Cells	Very High Efficiency – Proprietary Solar Cells (Greater than 21.5%)
Solar Panel - Service Life	25 Years
Recommended Pole Height	<8m
Pole Installation	On pole
Working Time	5-10 Days
Dimensions (L x W x H)	580*580*256mm
Operating Temperature	-15°C to +70°C
Protection Rating	IP67



# Portable Solar Energy System

NOMO's Smallest Solar home system is a state-of-the-art design Off-Grid System made of Aluminium and for smart homes. A portable kit that offers an ultra-efficient green energy. All lights can be remotely controlled via NOMO's APP on any smart phone. The light weight Aluminium solar home kit lighting and charging can transform any structure into an electrified home. A power pack or Control box with built-in USB ports keeps not only your devices charging, light up a max bulbs of 5 but also a system with an LCD LED Screen Display providing a real time feedback on your power as well as sun strength. Designed to power houses in areas where there is no electric grid.



## PRODUCT FEATURES

- Lights Remotely Controlled via NOMO's APP (Control the level of brightness of the lights)
- Power Charge USB Ports (Mobile Phone Charging)
- Digital Control (LCD Screen)
- Easy Installation
- Flexible Setup
- Highly Efficient Charging
- Hyper Bright and Performance Lighting
- Wall-mountable

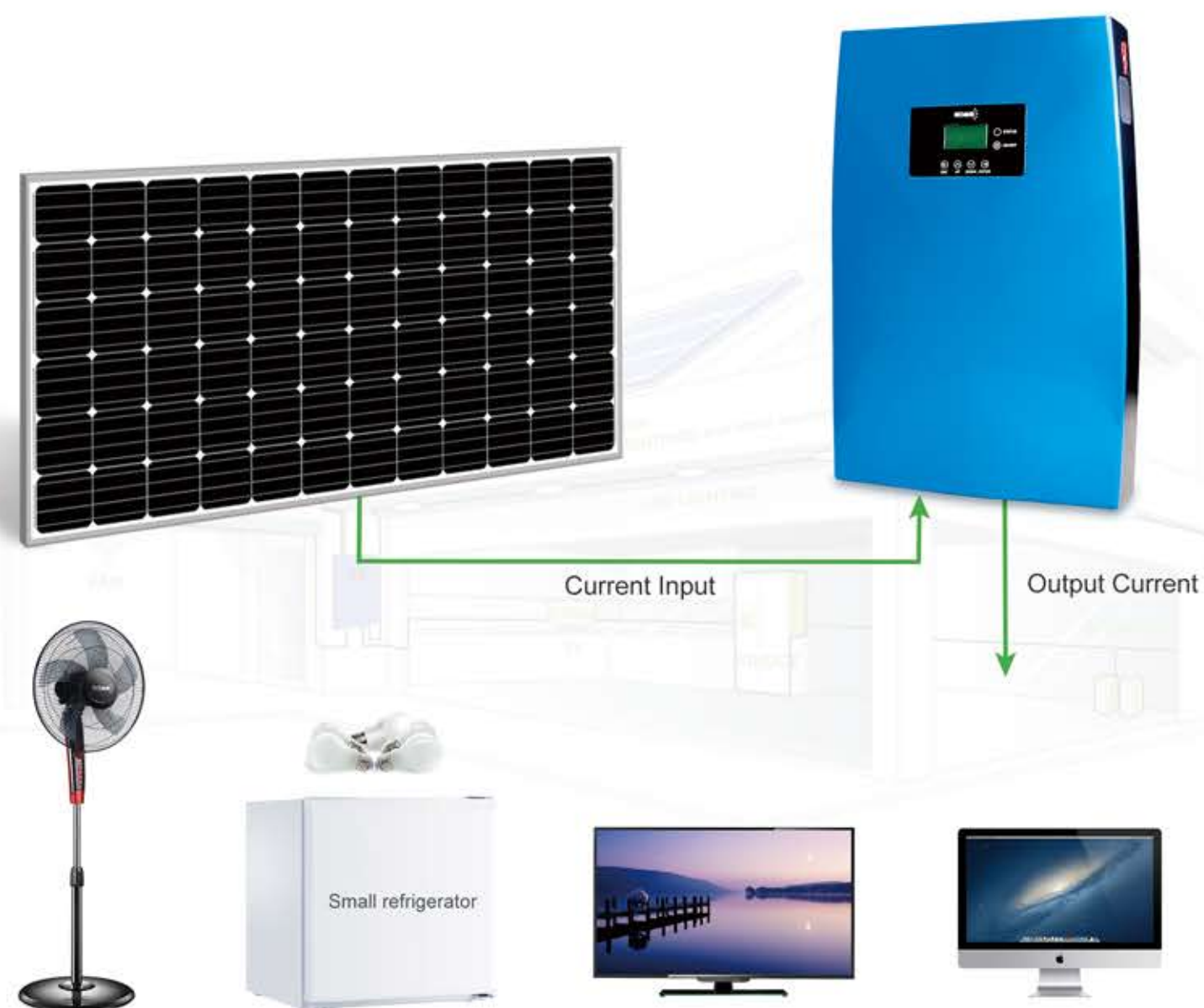


## SPECIFICATION

Specifications	PSES-25W	PSES-50W
Solar Panel	25W	50W
LED Bulb	3PCS 700LM/PC	5PCS 700LM/PC
USB Output	Output Current 2.1A*2	
Battery	LIFEPO4	
Interaction	LCD display and APP operation	
Battery Capacity	150WH	200WH
Charge Time	4-6 Hours	
Battery Lifetime	8-10 Years	
Packages (L x W x H)	215*215*56mm	
Application	LED Bulb, USB	
Optional	LED Bulbs, Mobile	



NOMO's NEW generation solar off grid Home system "POWERWALL" uses high efficiency mono/poly solar panel, in-built LiFePo4 battery, patented MPPT controller, converting the solar energy to electricity power with high efficiency up to 24%, and store it into the energy pack. The Low voltage design ensures safety, easy installation and can be directly hung on the wall. In sunny areas, it can provide power to your entire home, keeping TV, Refrigerator, Air conditioner, lights and other appliances running.



## PRODUCT FEATURES

- Suitable for household with an optional small inverter
- Beautiful appearance, unique structure and easy installation
- Unlimited capacity parallel, load 0.5-10KW on full charging condition
- Adapting LiFePO4 battery and high efficient mono-crystalline silicon solar panels
- Light weight, convenient for carrying and operation



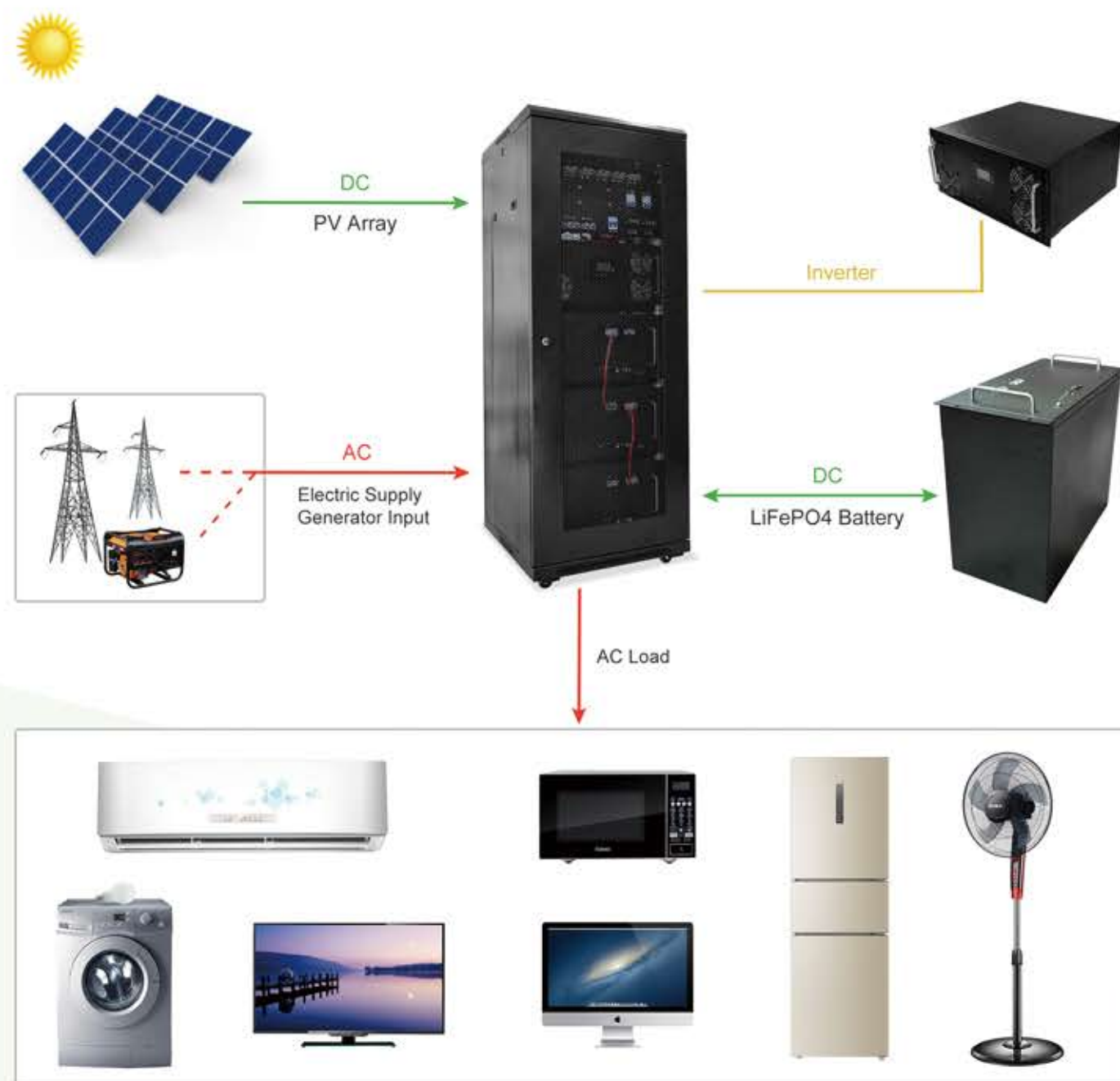
## SPECIFICATION

Specifications	PW-160W	PW-260W	PW-320W
Solar Panel	160W	260W	320W
Rated Input Voltage	50V (Max)		
Rated Input Current	20A	25A	30A
USB Output	Output Current 2A (Max)		
DC Output Voltage	12V		
DC Output Current	15A	20A	25A
Battery	LIFEPO4		
Interaction	LCD display and touch operation		
Battery Capacity	512WH	768WH	768WH *2
Charge Time	8 Hours		
Battery Lifetime	5-8 Years		
Packages (L x W x H)	620*450*155mm		
Optional	Fan, TV, LED Bulbs, Small Fridge		



# Solar Energy Storage System

NOMO Solar Energy Storage System has a modular design. Each module is fully independent. Which results in easy and quick maintenance. It's scalable structure facilitates both the Increases in power and back-up time, simply by combining PV modules and battery modules. Widely used in Household and Industrial Areas.



## PRODUCT FEATURES

- Modular design, if more power or back-up time are needed, simply as many modules as needed
- Smart function and parameter setting via LCD button, easy management
- Using premium quality components, which are checked applying advanced technology system
- Built-in input and output breakers, prevent the risk of shutdown
- Inverter adopt pure sine wave AC output and within MPPT Solar Charge Controller
- Rack cabinet with lockable front and back door for security



## SPECIFICATION

Specifications	Solar Energy Storage System (Customized)
Rated Voltage	51.2V
Rated Capacity	500Ah
Rated Energy	15.6KWH
Battery Type	LIFEPO4 Battery
Battery Configuration	5.2KWH 5U Packs*3 Parallel
Battery Operation Temperature Range @Charging	0-45°C
Max Charge Voltage	56.8 ± 0.4V
Rated Charge Voltage	56.0 ± 0.4V
Allowed MAX Charge Current (Total)	80A (Max: 100A)
Output Voltage	110V/240V
Output Power	3KW/5KW (Customized)
Output Frequency	50/60 Hz





**深圳市雷摩电子有限公司**  
**NOMO GROUP CO., LIMITED**

---

☎ +86-0755-29021186      ✉ sales@led321.com

☎ +86-186 8838 4867      🌐 www.led321.com

📍 3RD Floor Building 1, Xinlianhe Industrial Estate  
Shajing, Baoan District, Shenzhen, China 518125