

Amaz Since 2000



# SOLAR PRODUCT

ENJOY SUNSHINE ENJOY LIFE

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SOHO INDUSTRY LIMITED  
AMAZING LIFE INTERNATIONAL LIMITED

SOLAR ENERGY  
MAKES  
LIFE BETTER

## COMPANY PROFILE

AMAZ Corporation is a leading provider and manufacturer of home energy solutions. Since July 1, 2021, we have been dedicated to integrating global manufacturers and suppliers of solar energy storage systems. Our product portfolio covers residential as well as commercial and industrial energy storage solutions. We empower households and businesses worldwide to achieve energy independence with reliable, high-performance products.

Our comprehensive product ecosystem includes:.

- ~ Solar Panels: Efficient modules that maximize energy from the sun.
- ~ Inverters: Advanced hybrid and off-grid inverters for smart energy conversion and management..
- ~ Storage Batteries: Scalable, long-life battery systems (LiFePO<sub>4</sub>) designed to store excess energy for 24/7 use.

To guarantee consistent product quality and stable supply capacity, we run a 6,000-square-meter modern manufacturing plant equipped with three full production lines. Our technical team comprises over 10 professional engineers, backed by more than 100 skilled production staff. We adopt advanced automated production equipment, achieving an annual output of 1,000,000 units. We keep investing in research and development and implementing stringent quality control systems. With solid technical capabilities, we deliver innovative, long-lasting products that fully comply with international safety and performance standards and certifications.

Our products have gained wide recognition and trust across Africa and Southeast Asia. Looking ahead, we aim to further expand our global footprint and reach more international markets. We remain dedicated to delivering sustainable energy solutions tailored to varied client demands worldwide.

## PRODUCTION WORKSHOP



Metal stamping equipment



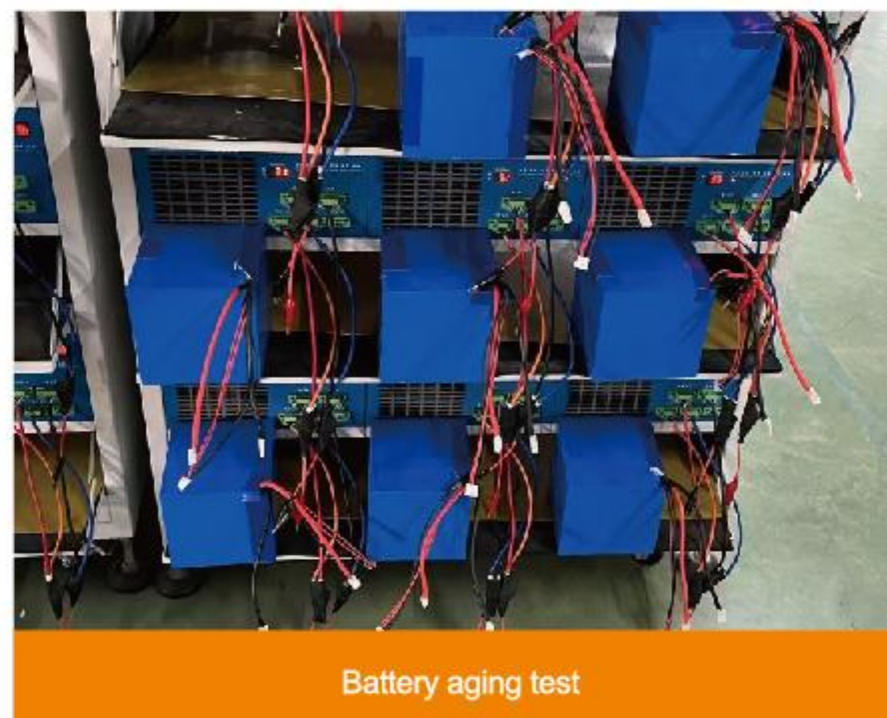
Solar cell production line



Robotic Arm Automation



Silicon wafer bonding



Battery aging test



Inverter semi-finished product



Production and assembly line



Bulb injection molding equipment



Lithium battery processing and testing procedures

## Customized Solar Panel

### 210mm Solar Cell



Customize the power you want

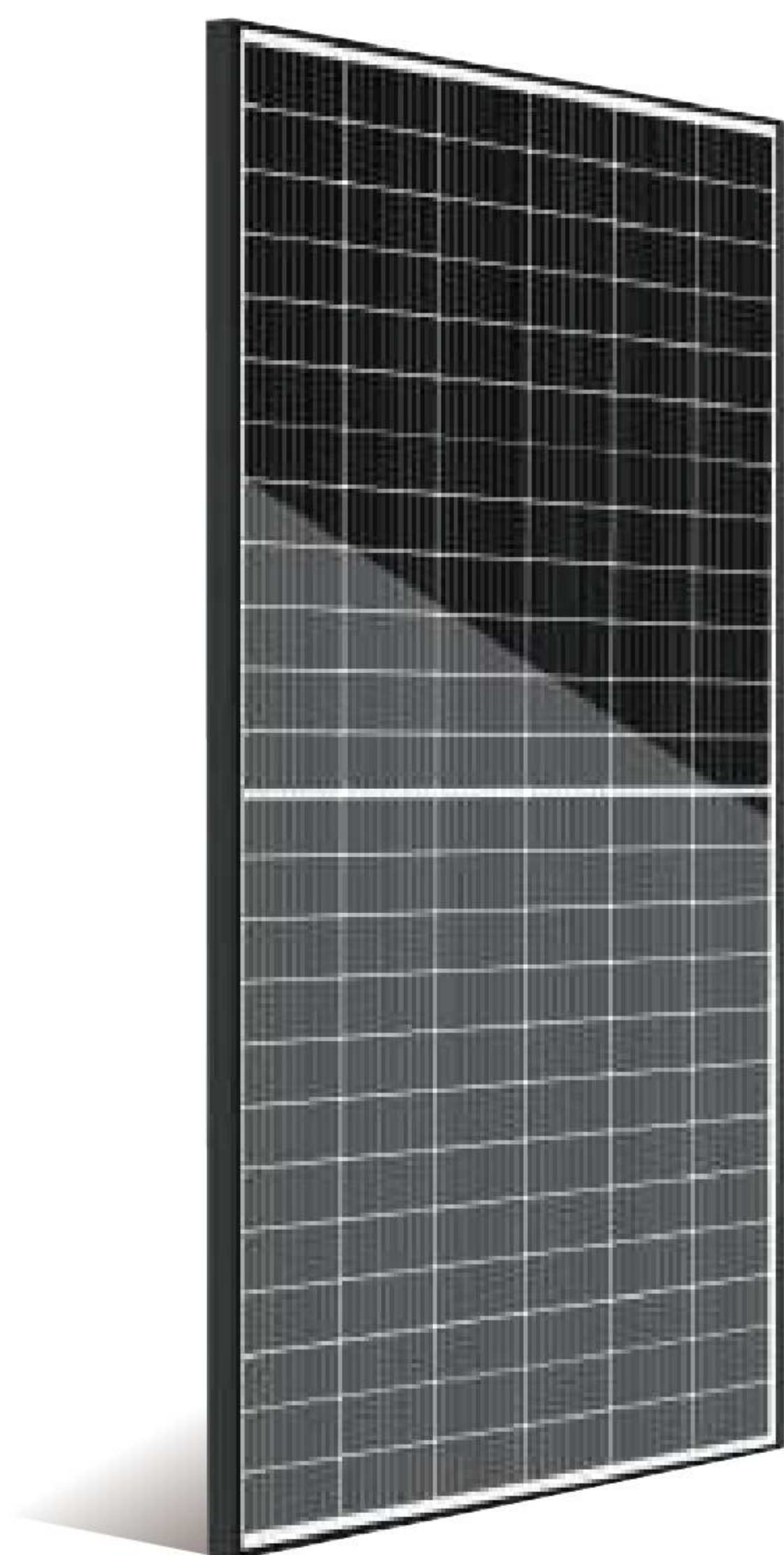
## » PRODUCT SPECIALTY

-  High power output
-  Easy transport install
-  Light easy transport
-  Strong low-light output
-  Fully customizable power
-  Wide system compatible

| Product model | Pm(W) | Module Size(mm) | Surface  | Vm(V) | Im(A) | Voc(V) | Isc(A) | Weight | Package  |
|---------------|-------|-----------------|----------|-------|-------|--------|--------|--------|----------|
| ALS-200N      | 200   | 1320*670*30     | Bifacial | 18    | 11.11 | 21.96  | 11.67  | 9.70   | 2Pcs/Ctn |
| ALS-150N      | 150   | 1110*670*30     | Bifacial | 18    | 8.33  | 21.96  | 8.75   | 8.20   | 2Pcs/Ctn |
| ALS-100N      | 100   | 1120*450*30     | Bifacial | 18    | 5.56  | 21.96  | 5.83   | 5.50   | 2Pcs/Ctn |
| ALS-350N      | 350   | 1515*1000*30    | Glass    | 36    | 9.72  | 43.92  | 10.21  | 16.70  | 2Pcs/Ctn |
| ALS-250N      | 250   | 1110*1090*30    | Glass    | 30    | 8.33  | 36.60  | 8.75   | 13.30  | 2Pcs/Ctn |
| ALS-200N      | 200   | 1320*670*30     | Glass    | 18    | 11.11 | 21.96  | 11.67  | 9.70   | 2Pcs/Ctn |
| ALS-150N      | 150   | 1110*670*30     | Glass    | 18    | 8.33  | 21.96  | 8.75   | 8.20   | 2Pcs/Ctn |
| ALS-135N      | 135   | 1300*510*30     | Glass    | 18    | 7.50  | 21.96  | 7.88   | 7.30   | 2Pcs/Ctn |
| ALS-100N      | 100   | 1120*450*30     | Glass    | 18    | 5.56  | 21.96  | 5.83   | 5.50   | 2Pcs/Ctn |
| ALS-80N       | 80    | 910*450*30      | Glass    | 18    | 4.44  | 21.96  | 4.67   | 4.50   | 2Pcs/Ctn |
| ALS-50N       | 50    | 590*450*25      | Glass    | 18    | 2.78  | 21.96  | 2.92   | 2.90   | 2Pcs/Ctn |
| ALS-40N       | 40    | 465*450*25      | Glass    | 18    | 2.22  | 21.96  | 2.33   | 2.30   | 2Pcs/Ctn |

## ALM Solar Panel

### 420W-640W



## » PRODUCT SPECIALTY



Low LID, long life



N-type high efficiency



Stable in hot climate



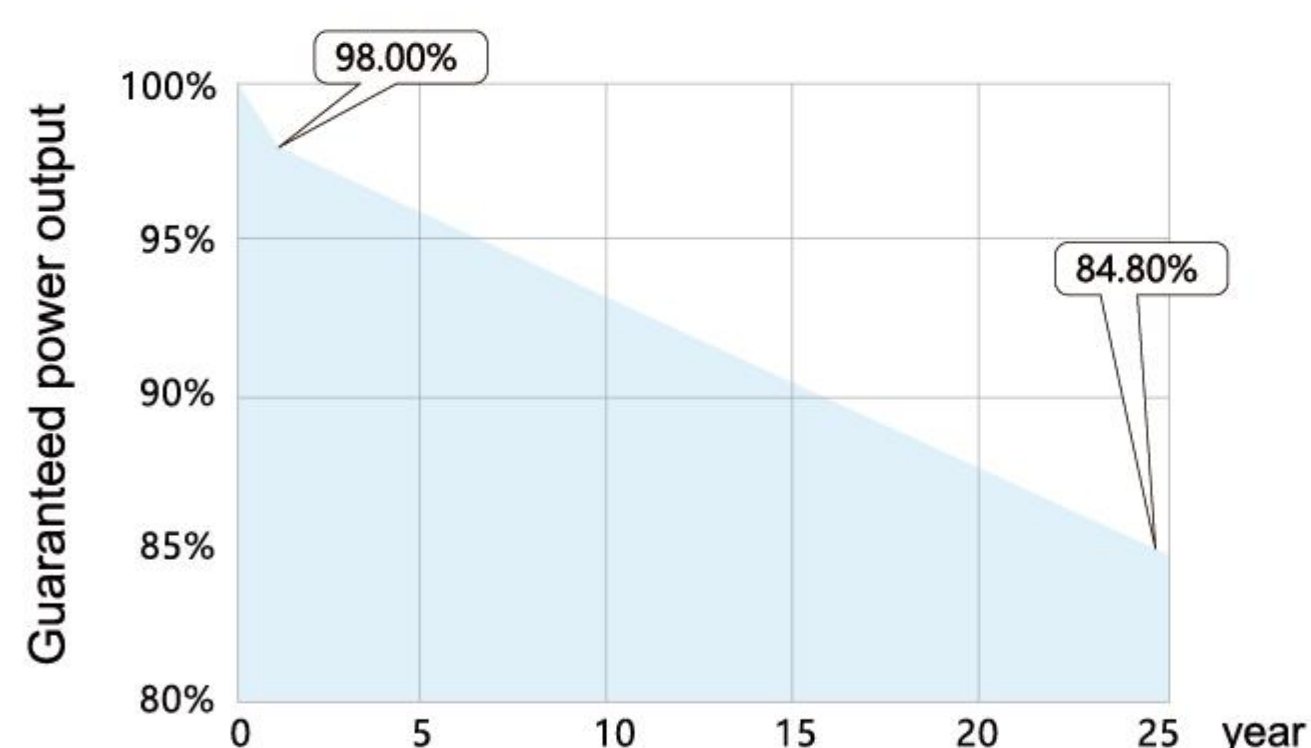
Low safe current



Steady supply chain



Durable reliable build



| Product Model | Pm(W) | Module Size(mm) | Vm(V) | Im(A) | Voc(V) | Isc(A) | Package      | Cells     | Remark                                   |
|---------------|-------|-----------------|-------|-------|--------|--------|--------------|-----------|------------------------------------------|
| ALM-620-640N  | 640   | 2465*1134*30    | 46.57 | 13.74 | 55.88  | 14.43  | 36PCS/Pallet | M10/156HC | Bifacial<br>Monofacial<br>White<br>Black |
| ALM-570-590N  | 590   | 2278*1134*30    | 43.00 | 13.72 | 51.60  | 14.41  | 36PCS/Pallet | M10/144HC |                                          |
| ALM-520-540N  | 540   | 2094*1134*30    | 40.03 | 13.49 | 48.04  | 14.16  | 36PCS/Pallet | M10/132HC |                                          |
| ALM-470-490N  | 490   | 1909*1134*30    | 36.06 | 13.59 | 43.27  | 14.27  | 36PCS/Pallet | M10/120HC |                                          |
| ALM-420-440N  | 440   | 1724*1134*30    | 32.45 | 13.56 | 38.94  | 14.24  | 36PCS/Pallet | M10/108HC |                                          |

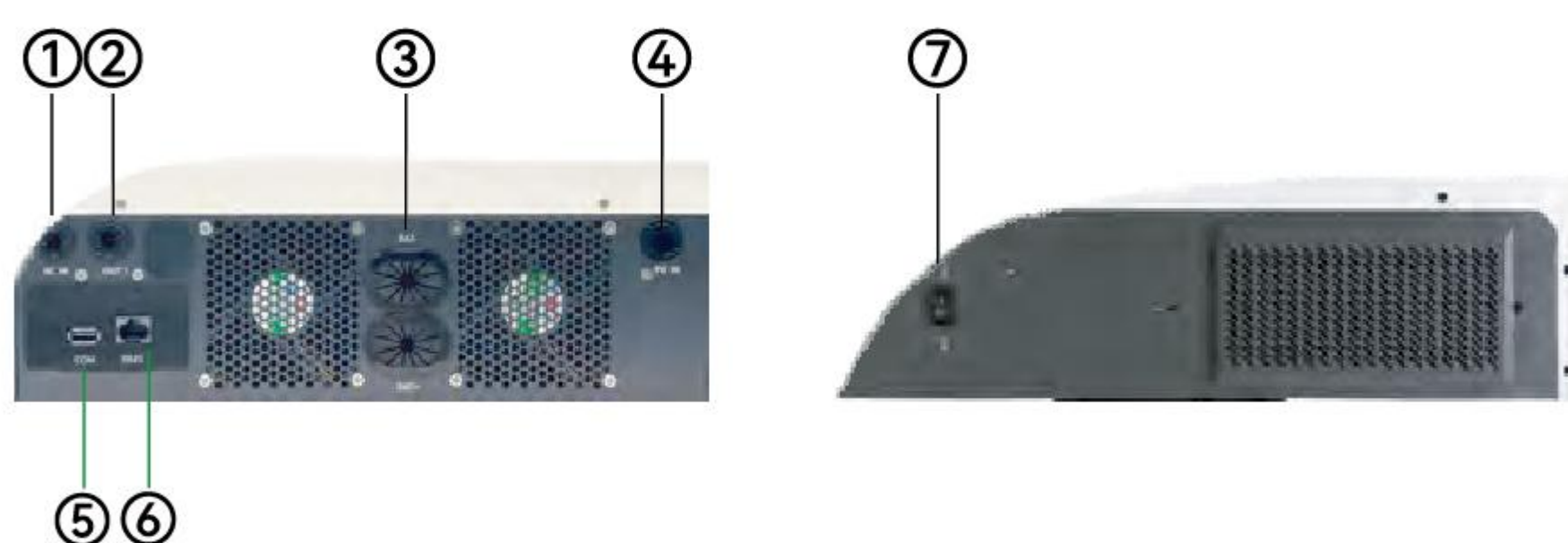
# HYBRID SOLAR INVERTER

## 6.5KW Features

- Lithium battery activation function, which can be triggered by PV
- Pure Sine Wave
- PV input 500VDC Max
- MPPT Voltage 60-450VDC
- Detachable dust cover for harsh environment
- Wifi remote monitoring optional

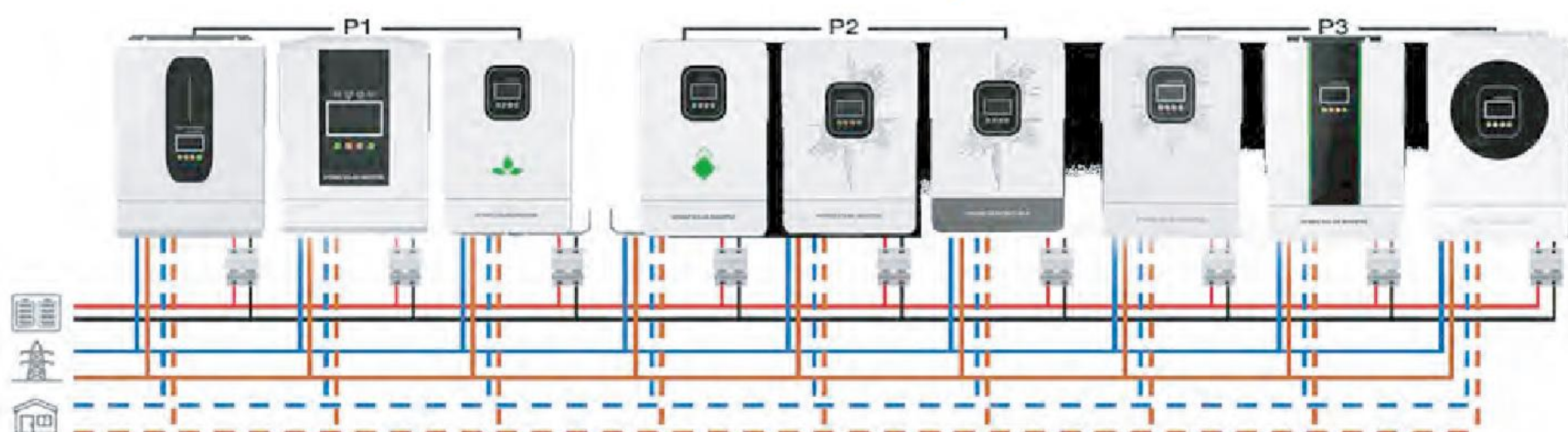


## Bottom view



1. AC Input
2. AC Output
3. Battery Input
4. PV Input
5. WIFI Port optional
6. BMS Port optional
7. Power on/ off switch

## 6.5KW Maximum number of parallel units: 9



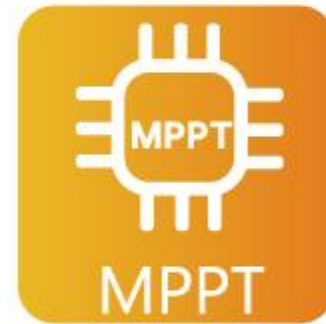
## Product param

| Mode                                       | AL06K5-48MH                                                                 | AL06K5-48MH(Inverter parallel) |
|--------------------------------------------|-----------------------------------------------------------------------------|--------------------------------|
| AC Input                                   |                                                                             |                                |
| Nominal Input Voltage                      | 208/220/230/240VAC; L+N+PE                                                  |                                |
| Frequency                                  | 40~70Hz (Auto Adaptive)                                                     |                                |
| AC Output                                  |                                                                             |                                |
| Rated Capacity                             | 6500W                                                                       |                                |
| Peak Power                                 | 12000VA                                                                     |                                |
| Nominal Output Voltage                     | 208/220/230/240VAC; L+N+PE                                                  |                                |
| Voltage Range (Settable)                   | 90~280V(Appliance mode)<br>170~264V(UPS mode)                               |                                |
| Power Factor                               | 1                                                                           |                                |
| Frequency                                  | Battery mode: 50/60 Hz ± 0.1%                                               |                                |
| Switch Time<br>(Line Mode to Battery Mode) | UPS mode: 10ms (Typical)<br>Appliance mode: 10ms (Typical)<br>GEN mode:20ms |                                |
| Wave Form                                  | Pure Sine Wave                                                              |                                |
| Overload Capacity<br>(Battery Mode)        | 1min@102%~120%Load<br>10s@ > 120%Load                                       |                                |
| Max Efficiency (Battery Mode)              | 94%@48VDC                                                                   |                                |
| Parallel Quantity                          | -                                                                           | 9                              |
| Charger (PV / AC)                          |                                                                             |                                |
| PV Charging method                         | MPPT                                                                        |                                |
| MPPT Voltage                               | 60-450VDC                                                                   |                                |
| Max PV Input Current / Input Power         | 27A/9000W                                                                   |                                |
| Max PV Open Circuit Voltage                | 500VDC                                                                      |                                |
| Max PV Charge Current                      | 120A                                                                        |                                |
| AC Charge Current                          | 2-120A Settable                                                             |                                |
| Max Charge Current (AC + PV)               | 120A                                                                        |                                |
| Battery                                    |                                                                             |                                |
| Nominal Voltage                            | 48VDC                                                                       |                                |
| Maximum Discharge Current                  | 120A(Default)/140A(Settable)                                                |                                |
| Constant Charge Voltage (Settable)         | 56.4VDC                                                                     |                                |
| Floating Charge Voltage (Settable)         | 54VDC                                                                       |                                |
| Battery Over Voltage                       | 61VDC                                                                       |                                |
| BMS Protocol (Optional)                    | VOL,GRO,PYL,IRO,CVT                                                         |                                |
| Battery Type                               | Lithium/VRLA                                                                |                                |
| Interface                                  |                                                                             |                                |
| HMI                                        | LCD, 4 buttons + 4 LED lights, can display running/input/output/load mode   |                                |
| Port                                       | RS232: 5PIN/Pitch2.0mm, Baud 9600//Parallel Interface                       |                                |
| Expansion Interface                        | 2×13PIN/Pitch2.0mm,<br>1×12PIN/Pitch2.0mm, USB, RJ45, etc                   |                                |
| Parallel Interface                         | -                                                                           | Parallel Interface             |
| Monitoring                                 | WIFI(Settable)                                                              |                                |
| General Data                               |                                                                             |                                |
| Ingress Protection                         | IP21                                                                        |                                |
| Operating Temperature                      | -10°~60 °C(Reduce output power to 80% above 40°C)                           |                                |
| Environment Humidity                       | 20%~95% (No condensing)                                                     |                                |
| Storage Temperature                        | -15~60°C (Battery: 0~40°C)                                                  |                                |
| Operating Altitude                         | Should not exceed 1000m, up to 4000m. Refer to IEC62040-3                   |                                |
| Noise                                      | ≤50db                                                                       |                                |
| product size / packing size (mm)           | 410*336*121mm / 490*394*188mm                                               |                                |
| Net / Gross Weight (kg)                    | 8.32kg / 9.48kg                                                             |                                |

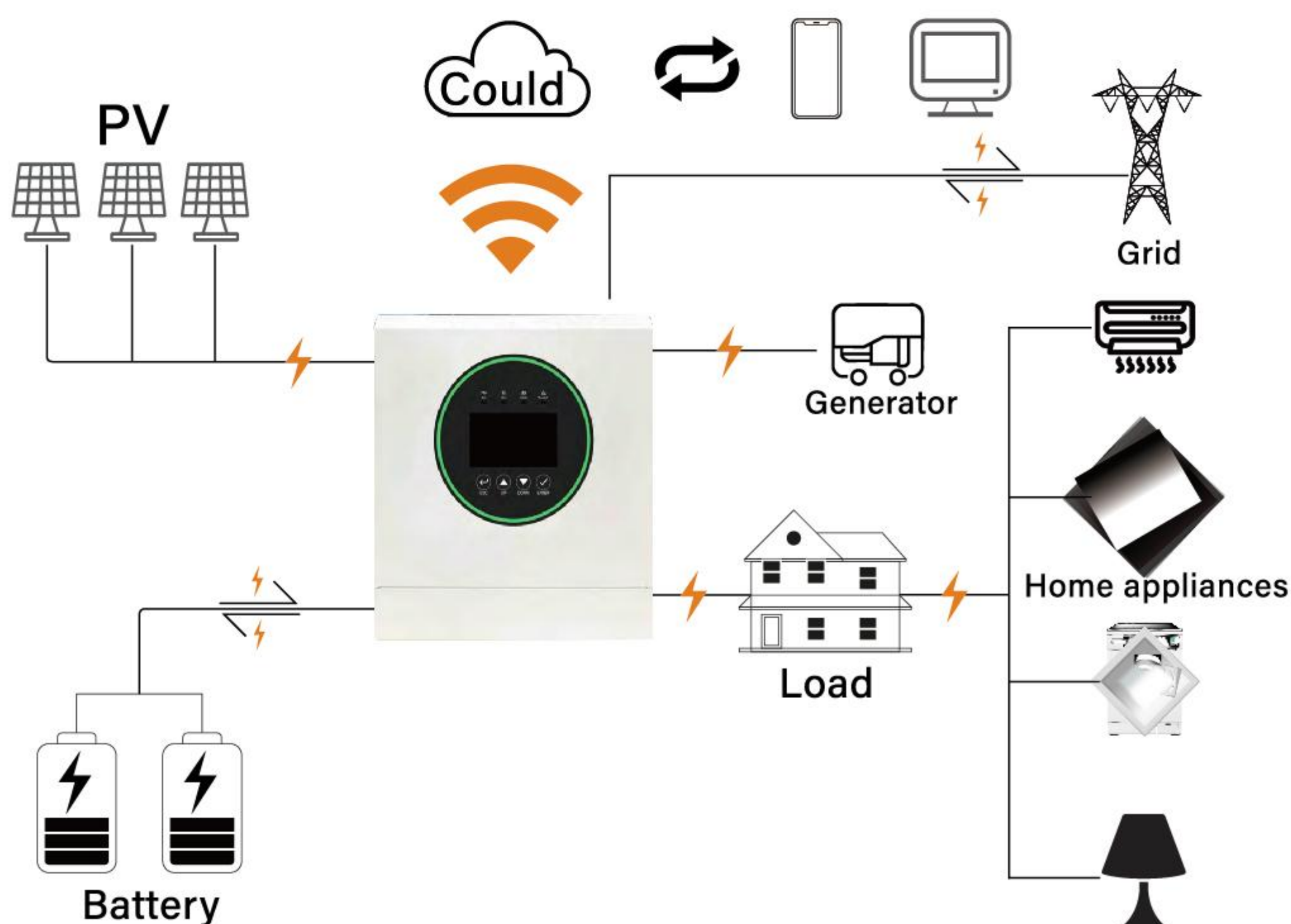
# HYBRID SOLAR INVERTER

## 12KW Features

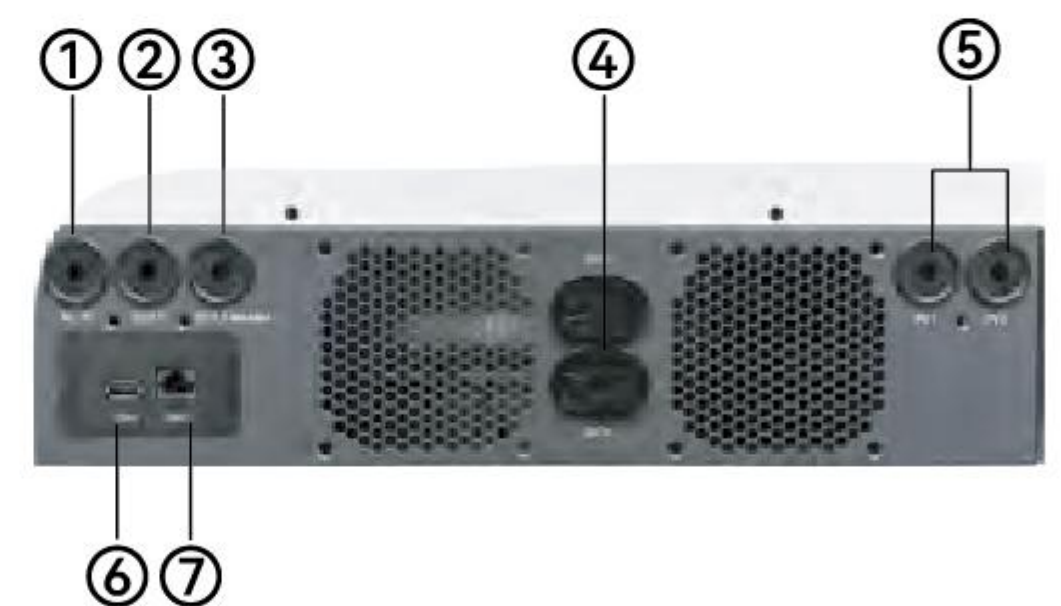
- Lithium battery activation function, which can be triggered by PV
- Pure Sine Wave
- PV input 500VDC Max
- MPPT Voltage 60-450VDC
- Detachable dust cover for harsh environment
- Wifi remote monitoring optional



## Connection Overview



## Bottom view



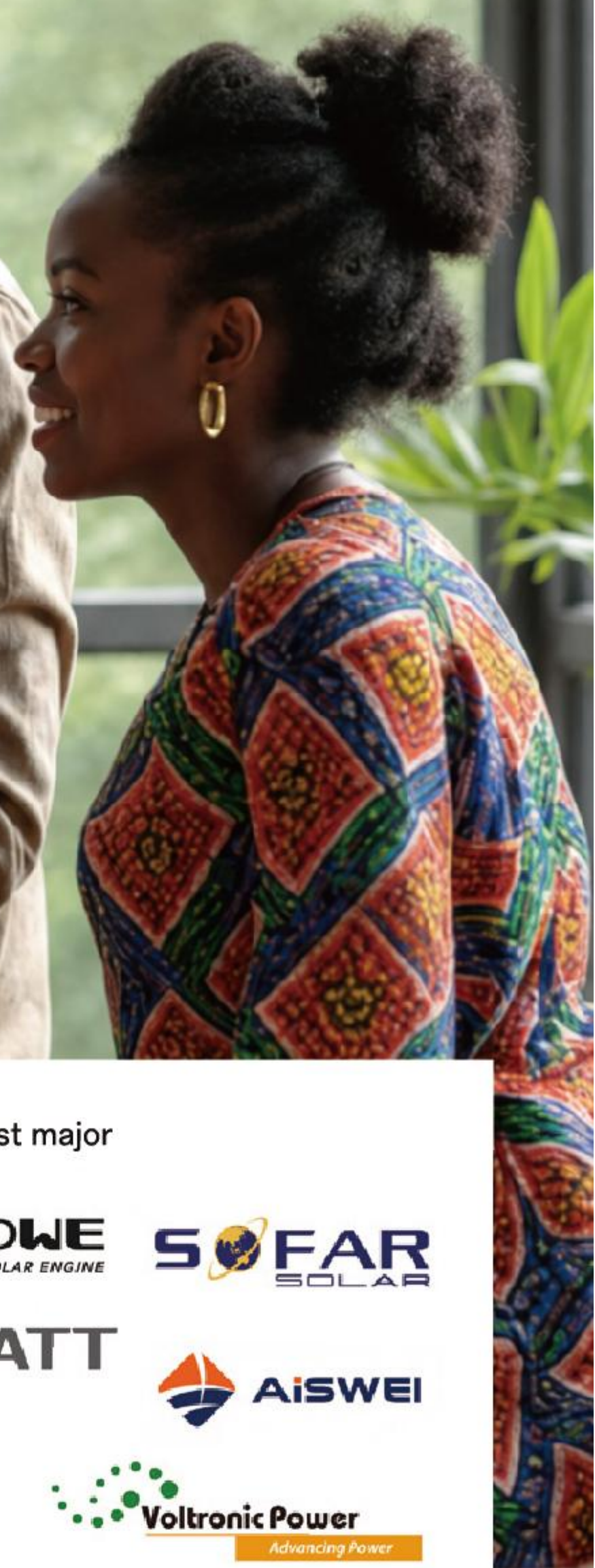
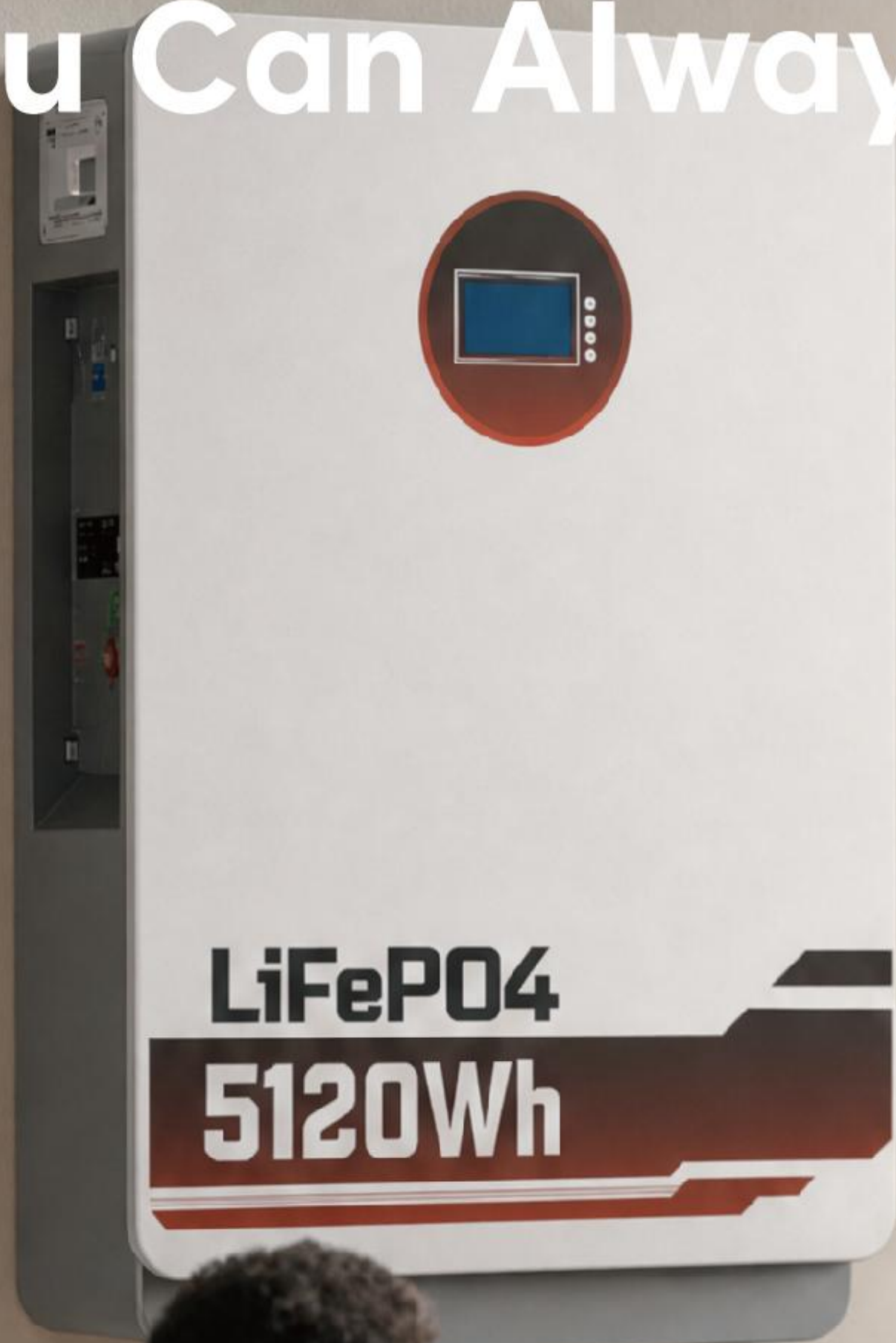
1. AC Input
2. AC Output 1
3. AC Output 2
4. Battery Input
5. PV Input 1 & PV Input 2
6. WIFI Port optional
7. BMS Port optional

## Product param

| Mode                                       | AL12K0-48MH                                                                                               |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>AC Input</b>                            |                                                                                                           |
| Nominal Input Voltage                      | 220/230/240; L+N+PE                                                                                       |
| Frequency                                  | 50~60Hz (Auto Adaptive)                                                                                   |
| <b>AC Output</b>                           |                                                                                                           |
| Rated Capacity                             | 12000W                                                                                                    |
| Peak Power                                 | 24000VA                                                                                                   |
| Nominal Output Voltage                     | 220/230/240VAC;L+N+PE                                                                                     |
| Voltage Range (Settable)                   | 90~280V(Appliance mode)<br>170~280V(UPS mode)                                                             |
| Power Factor                               | 1                                                                                                         |
| Frequency                                  | Battery mode: 50/60 Hz $\pm$ 0.1%                                                                         |
| Switch Time<br>(Line Mode to Battery Mode) | UPS mode: 10ms (Typical)<br>Appliance mode: 10ms (Typical)<br>GEN mode:20ms                               |
| Wave Form                                  | Pure Sine Wave                                                                                            |
| Overload Capacity<br>(Battery Mode)        | 1min@102%~120%Load<br>10s@>120%Load                                                                       |
| Max Efficiency (Battery Mode)              | 94%@48VDC                                                                                                 |
| Parallel Quantity                          | -                                                                                                         |
| <b>Charger (PV / AC)</b>                   |                                                                                                           |
| PV Charging method                         | Double MPPT                                                                                               |
| MPPT Voltage                               | 60~450VDC                                                                                                 |
| Max PV Input Current / Input Power         | Single-channel MPPT: 27A/9kW<br>Features dual MPPT channels: 22.5A per MPPT, with a total power of 15 kW. |
| Max PV Open Circuit Voltage                | 500VDC                                                                                                    |
| Max PV Charge Current                      | 160A                                                                                                      |
| AC Charge Current                          | 160A Settable                                                                                             |
| Max Charge Current (AC + PV)               | 160A                                                                                                      |
| <b>Battery</b>                             |                                                                                                           |
| Nominal Voltage                            | 50VDC                                                                                                     |
| Maximum Discharge Current                  | 160A(Default)/220A(Settable)                                                                              |
| Constant Charge Voltage (Settable)         | 56.4VDC                                                                                                   |
| Floating Charge Voltage (Settable)         | 54VDC                                                                                                     |
| Battery Over Voltage                       | 61VDC                                                                                                     |
| BMS Protocol (Optional)                    | VOL,GRO,PYL,IRO,CVT                                                                                       |
| Battery Type                               | Lithium/VRLA                                                                                              |
| <b>Interface</b>                           |                                                                                                           |
| HMI                                        | LCD, 4 buttons + 4 LED lights, can display running/input/output/load mode                                 |
| Port                                       | RS485/RS232/USB                                                                                           |
| Expansion Interface                        | 2x13PIN/Pitch2.0mm,<br>1x12PIN/Pitch2.0mm, USB, RJ45,etc                                                  |
| Parallel Interface                         | -                                                                                                         |
| Monitoring                                 | WIFI(Settable)                                                                                            |
| <b>General Data</b>                        |                                                                                                           |
| Ingress Protection                         | IP21                                                                                                      |
| Operating Temperature                      | -10°~60 °C(Reduce output power to 80% above 40°C)                                                         |
| Environment Humidity                       | 5%~95% (No condensing)                                                                                    |
| Storage Temperature                        | -10~60°C (Battery: 0~40°C)                                                                                |
| Operating Altitude                         | Should not exceed 1000m, up to 4000m. Refer to IEC62040-3                                                 |
| product size / packing size (mm)           | 512*435*134mm/595*505*210mm                                                                               |
| Net / Gross Weight (kg)                    | 15kg/-                                                                                                    |



# The Energy Backup You Can Always Rely On



Compatible with most major  
inverter brands



**GOODWE**  
YOUR SOLAR ENGINE

**SOFAR**  
SOLAR

**GROWATT**

**AISWEI**

**invt**

**Voltronic Power**  
Advancing Power

**victron energy**  
BLUE POWER

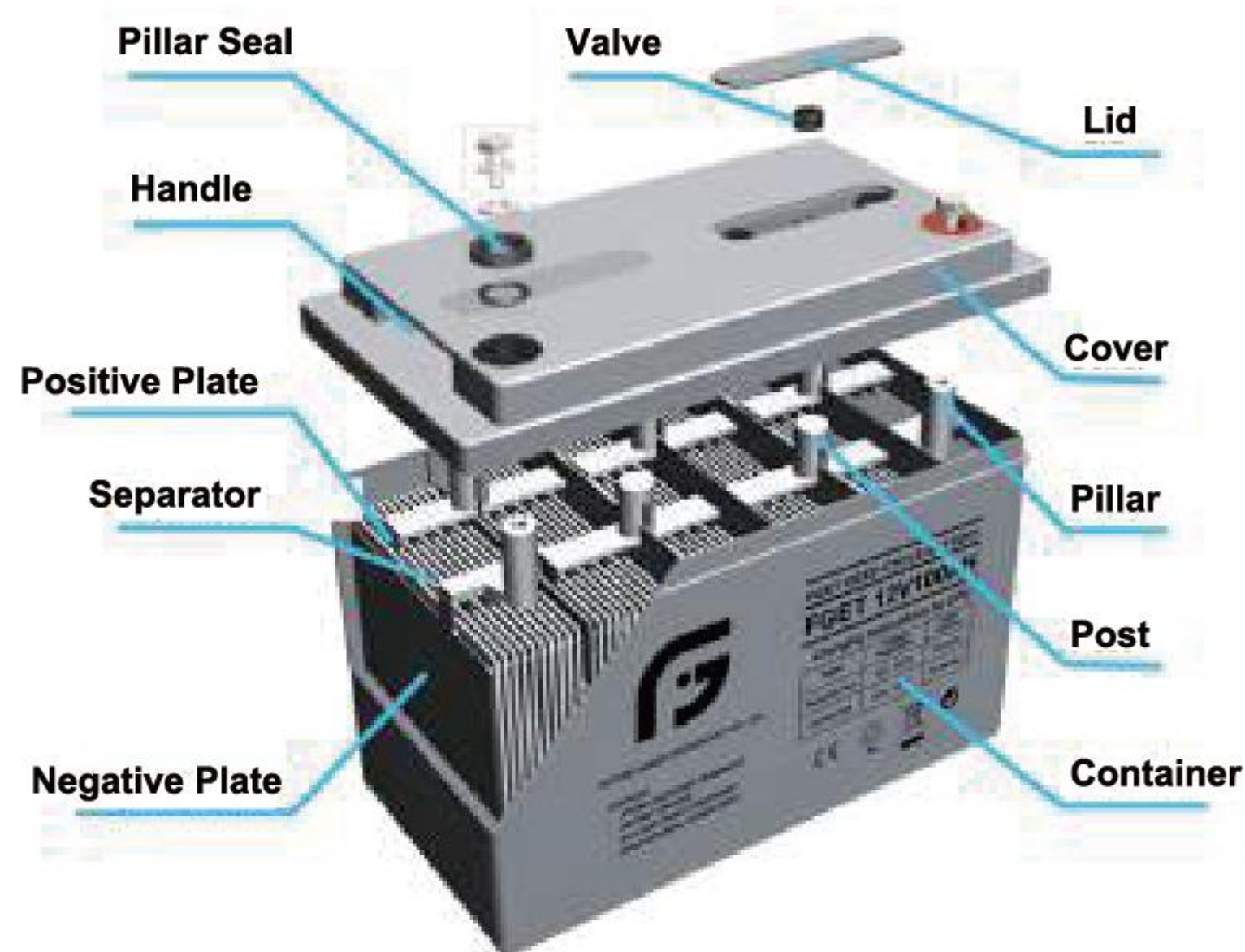
**SMA**

**LUPOWERTEK**

**MEGAREVO**

**PYLONTECH**  
派能科技

# Household lead-acid batteries



6 | FM | 100  
a | b | c

## Designations:

a - quantity of cells

b - valve-regulated

c - battery capacity at 20 hour rate



| Model     | Voltage | Capacity<br>C20 | Dimensions |       |        |                 | Approx.<br>Weight | Terminal<br>Type |
|-----------|---------|-----------------|------------|-------|--------|-----------------|-------------------|------------------|
|           |         |                 | Length     | Width | Height | Total<br>height |                   |                  |
|           | (v)     | (Ah)            | mm         | mm    | mm     | mm              | Kg                |                  |
| ALE6FM33  | 12      | 33              | 196        | 131   | 155    | 180             | 10.2              | M6               |
| ALE6FM40  | 12      | 40              | 196        | 165   | 175    | 175             | 12                | M6               |
| ALE6FM55  | 12      | 55              | 229        | 138   | 208    | 227             | 16.5              | M6               |
| ALE6FM65  | 12      | 65              | 350        | 166   | 175    | 175             | 20.5              | M8               |
| ALE6FM75  | 12      | 75              | 260        | 169   | 208    | 227             | 21.5              | M8               |
| ALE6FM90  | 12      | 90              | 307        | 168   | 208    | 227             | 25                | M8               |
| ALE6FM100 | 12      | 100             | 328        | 172   | 222    | 222             | 29.5              | M8               |
| ALE6FM120 | 12      | 120             | 406        | 174   | 208    | 233             | 33                | M8               |
| ALE6FM150 | 12      | 150             | 483        | 170   | 241    | 241             | 43                | M8               |
| ALE6FM200 | 12      | 200             | 522        | 240   | 219    | 244             | 59                | M8               |
| ALE6FM260 | 12      | 260             | 522        | 268   | 219    | 228             | 69                | M8               |

# Wall-mounted HOME ENERGY LITHIUM BATTERY

The system is flexibly compatible with mainstream inverters, ensuring efficient energy conversion and utilization. Whether you need basic daily power or extended backup during outages, our battery storage provides reliable performance. The intuitive LCD display and user-friendly button area make monitoring and operation simple and straightforward.

With a focus on basic functionality, this pure battery solution efficiently charges and discharges to meet your essential power requirements without unnecessary complexity. It's a practical choice for stable energy storage, combining durability, safety, and adaptability.



| Item                               | Common Parameters |                   |                   |                   |
|------------------------------------|-------------------|-------------------|-------------------|-------------------|
| Model                              | 25.6V100Ah        | 51.2V100Ah        | 51.2V200Ah        | 51.2V300Ah        |
| Nominal voltage                    | 25.6V             | 51.2V             | 51.2V             | 51.2V             |
| Charge voltage                     | 28.4V-29.2V       | 56.8V-58.4V       | 56.8V-58.4V       | 56.8V-58.4V       |
| Discharge protection voltage       | 20V-21.6V         | 40V-43.6V         | 40V-43.6V         | 40V-43.6V         |
| Standard capacity(0.2C)            | Typical: 100AH±5% | Typical: 100AH±5% | Typical: 200AH±5% | Typical: 300AH±5% |
| Energy                             | 2560Wh            | 5120Wh            | 10240Wh           | 15360Wh           |
| Max continuous charging current    | 100A              | 100A              | 100A              | 100A              |
| Max continuous discharging current | 200A              | 200A              | 200A              | 200A              |
| Product Size                       | 520*220*515mm     | 520*220*710mm     | 585*220*820mm     | 435*285*880mm     |
| Wooden Box Size                    | 550*250*545mm     | 550*250*740mm     | 615*250*850mm     | 465*315*910mm     |
| N.W/Ctn                            | 21.17kg/46.67lb   | 66kg/146lb        | 115kg/254lb       | 117kg/258lb       |

# All-in-one Stacked Battery

## Features



| Model                              | A48V100ST-6KW              | A48V314ST-12KW                                                            |
|------------------------------------|----------------------------|---------------------------------------------------------------------------|
| <b>Energy storage battery pack</b> |                            |                                                                           |
| Rated capacity                     | 5120Wh                     | 16076Wh                                                                   |
| Battery capacity                   | 100Ah                      | 314Ah                                                                     |
| Battery voltage                    | 51.2V                      | 51.2V                                                                     |
| Battery model                      | LifePo4 battery            | LifePo4 battery                                                           |
| Protection measures                | BMS                        | BMS                                                                       |
| Maximum current                    | 100A                       | 100A                                                                      |
| IP rating                          | 65                         | 65                                                                        |
| Single group weight                | 50KG                       | 110KG                                                                     |
| Product each size                  | 180*590*400                | 250*700*450                                                               |
| Stacking number of layers          | 1-8                        | 1-6                                                                       |
| Communication connection           | RS232,RS485,CAN            | RS232,RS485,CAN                                                           |
| Product certification              | UN38.3,MSDS,IEC            | UN38.3,MSDS,IEC                                                           |
| Operating temperature              | -10°C-60°C                 | -10°C-60°C                                                                |
| Charging and discharging times     | ≥6000 cycles               | ≥6000 cycles                                                              |
| Packaging materials                | Carton                     | Carton                                                                    |
| Installation method                | Standing                   | Standing                                                                  |
| <b>MPPT Solar Generator</b>        |                            |                                                                           |
| Output power                       | 6000W                      | 12000W                                                                    |
| Output waveform                    | Sine wave                  | Sine wave                                                                 |
| AC Output                          | 220VAC 230VAC,50/60HZ23.9A | 220VAC 230VAC,50/60HZ23.9A                                                |
| PV Input current/Input power       | 27A/9000W                  | Using One MPPT: 27A/9KW<br>Using Two MPPTS: 22.5A/Per MPPT,<br>15kW/Total |
| PV charge current                  | 120A                       | 160A                                                                      |
| Solar input voltage                | 60-450VDC                  | 60-450VDC                                                                 |
| Temperature protection             | -20°C-70°C                 | -20°C-70°C                                                                |
| Package size                       | 180*590*400                | 250*700*450                                                               |
| Product Weight                     | 25KG                       | 35KG                                                                      |



# SOLAR STREET LIGHT LIGHT UP YOUR LIFE

We are Dedicated to Converting  
Solar Energy into Light



Solar  
Powered



Full-Screen  
High Brightness



Split Adjustable  
Type



0 Electricity  
Bill



IP66  
Waterproof



Dusk to  
Dawn



# Solar Light

## Solar Flood Light

- > Smart Operation:  
180° Human body sensing, intelligent controller.
- > Practical Function:  
Improve nighttime convenience, strong adaptability of lighting range.
- > New Upgrade:  
High-lumen LEDs, low energy consumption and long life.
- > Enhance Security:  
Convenient for observing surrounding conditions.
- > Light Source Style Optional:  
Three-layer reflector cup design and lamp beads.



Solar charger



Light control



Waterproof and lightning protection



Strong battery life



Smart remote

## Product Specification

| Model            | AL-200W PRO/MAX         | AL-400W PRO/MAX  | AL-600W PRO/MAX  | AL-800W PRO/MAX  |
|------------------|-------------------------|------------------|------------------|------------------|
| Luminous Flux    | 1500LM                  | 3000LM           | 4500LM           | 6000LM           |
| Solar Panel      | 20W                     | 40W              | 50W              | 65W              |
| Battery Capacity | 3.2V15000mAh            | 3.2V30000mAh     | 3.2V45000mAh     | 3.2V60000mAh     |
| Lamp Size        | 282*225*65mm            | 342*279*65mm     | 386*315*65mm     | 386*315*65mm     |
| Panel Size       | 295*395*17mm            | 530*395*17mm     | 590*395*17mm     | 770*395*17mm     |
| Package          | 8sets/CTN               | 6sets/CTN        | 5sets/CTN        | 5sets/CTN        |
| Carton Size      | 503*355*247mm           | 580*365*287mm    | 453*355*347mm    | 453*355*347mm    |
| Led Chips        | 144pcs LED Chips        | 296pcs LED Chips | 432pcs LED Chips | 432pcs LED Chips |
| IP Class         | IP66                    |                  |                  |                  |
| Charging Time    | 4-5h                    |                  |                  |                  |
| Working Time     | 12-24h                  |                  |                  |                  |
| Color Temperaure | Cool White (6000-6500K) |                  |                  |                  |

# Solar Light

## All-in-one Solar Light

- > **Solar-Powered, Cost-Free Illumination:**  
Embrace sustainable energy with solar power – no more electricity bills!
- > **Smart Operation:**  
Automatically turns on at dusk and off at dawn.
- > **Enhanced Brightness:**  
Optical lens technology boosts light efficiency by 20%.
- > **Personalized Definition:**  
Choose from a range of decorative panel colors to complement your surroundings.
- > **Brilliant Illumination:**  
High-lumen LEDs deliver powerful, clear light.



Solar charger



Light control



Waterproof and lightning protection



Strong battery life



Smart remote

## Customizable colors

You can customize the color you like



Orange/White



Blue/White



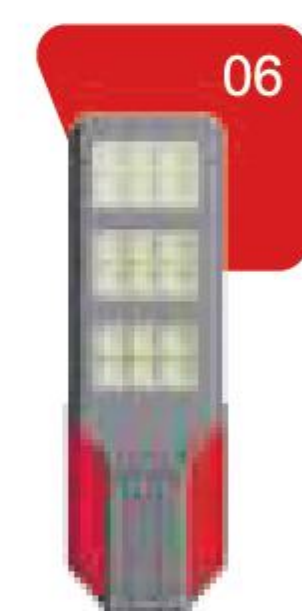
Purple/White



Orange/Gray



Blue/Gray



Red/Gray

## Product Specification

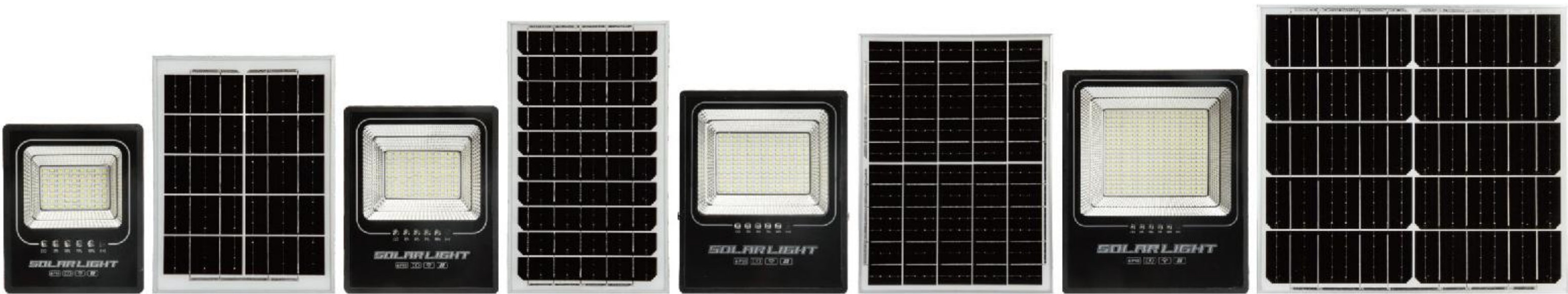
| Model             | ALA-400                 | ALA-600      | ALA-800      |
|-------------------|-------------------------|--------------|--------------|
| Lumen             | 1200LM                  | 1800LM       | 2400LM       |
| Solar Panel       | 15W                     | 25W          | 35W          |
| Battery Capacity  | 3.2V15000mAh            | 3.2V30000mAh | 3.2V45000mAh |
| Lamp Size         | 630*242*62mm            | 806*242*62mm | 982*242*62mm |
| Panel Size        | 415*200*3mm             | 660*200*3mm  | 905*200*3mm  |
| Package           | 5sets/CTN               |              |              |
| IP Class          | IP65                    |              |              |
| Charging Time     | 4-5h                    |              |              |
| Working Time      | 10-20h                  |              |              |
| Color Temperature | Cool White (6000-6500K) |              |              |
|                   |                         |              |              |

# ALL IN ONE SOLAR STREET LIGHT



|                       |                         |                         |                         |
|-----------------------|-------------------------|-------------------------|-------------------------|
| Item code             | ALS21-400W              | ALS21-500W              | ALS21-600W              |
| Lamp Power            | 400W                    | 500W                    | 600W                    |
| Lamp Body             | Aluminum Alloy          | Aluminum Alloy          | Aluminum Alloy          |
| LiFePO4 Battery       | 3.2V,30000mAH           | 3.2V,45000mAH           | 3.2V,60000mAH           |
| Lamp Dimension        | L730xW375xH105mm        | L945xW375xH105mm        | L1100xW375xH105mm       |
| Solar Panel Material  | Monocrystalline silicon | Monocrystalline silicon | Monocrystalline silicon |
| Solar Panel Dimension | L668xW338mm             | L885xW338mm             | L1037xW338mm            |
| Solar Panel Power     | 40W                     | 50W                     | 60W                     |

# SOLAR FLOOD LIGHT

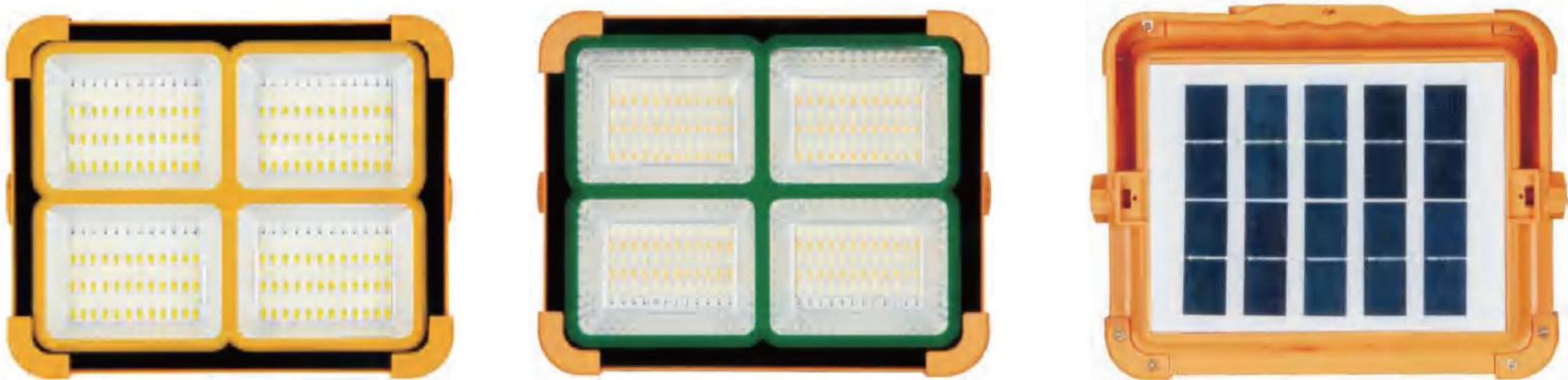


|                       |                                      |                                      |                                      |                                      |
|-----------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Item code             | ALABS50W                             | ALABS100W                            | ALABS150W                            | ALABS200W                            |
| Lamp Power            | 50W                                  | 100W                                 | 150W                                 | 200W                                 |
| Lamp Body             | ABS                                  | ABS                                  | ABS                                  | ABS                                  |
| LiFePO4 Battery       | 3.2V,5000mAH                         | 3.2V,10000mAH                        | 3.2V,15000mAH                        | 3.2V,20000mAH                        |
| Lamp Dimension        | L230xW170xH43mm                      | L215xW285xH43mm                      | L245xW320xH43mm                      | L300xW375xH43mm                      |
| Solar Panel Material  | Monocrystalline silicon solar panels | Monocrystalline silicon solar panels | Monocrystalline silicon solar panels | Monocrystalline silicon solar panels |
| Solar Panel Dimension | L210xW280mm                          | L350xW235mm                          | L300xW390mm                          | L350xW450mm                          |
| Solar Panel Power     | 8W/5V                                | 12W/5V                               | 20W/5V                               | 25W/5V                               |

ALL IN ONE SOLAR STREET LIGHT



|                  |                           |
|------------------|---------------------------|
| Item No.         | AL-S19A-100W              |
| LED Lamp         | 100W LED 6000K-6500K      |
| Solar Panel      | 1.2W 6V, Poly-Crystalline |
| Battery Type     | LiFePO4, 3.2V/4AH         |
| Charging time    | 6-8 hours                 |
| Discharging time | 12-15 hours               |
| Material         | Aluminum Alloy            |
| Warranty         | 2 years                   |
| Outer carton     | 395*315*340mm             |



|                  |                           |
|------------------|---------------------------|
| Item No.         | AL-S19A-200W              |
| LED Lamp         | 200W LED 6000K-6500K      |
| Solar Panel      | 2.3W 6V, Poly-Crystalline |
| Battery Type     | LiFePO4, 3.2V/6AH         |
| Charging time    | 6-8 hours                 |
| Discharging time | 12-15 hours               |
| Material         | Aluminum Alloy            |
| Warranty         | 2 years                   |
| Outer carton     | 205*60*180mm              |

**Amaz** Since 2000

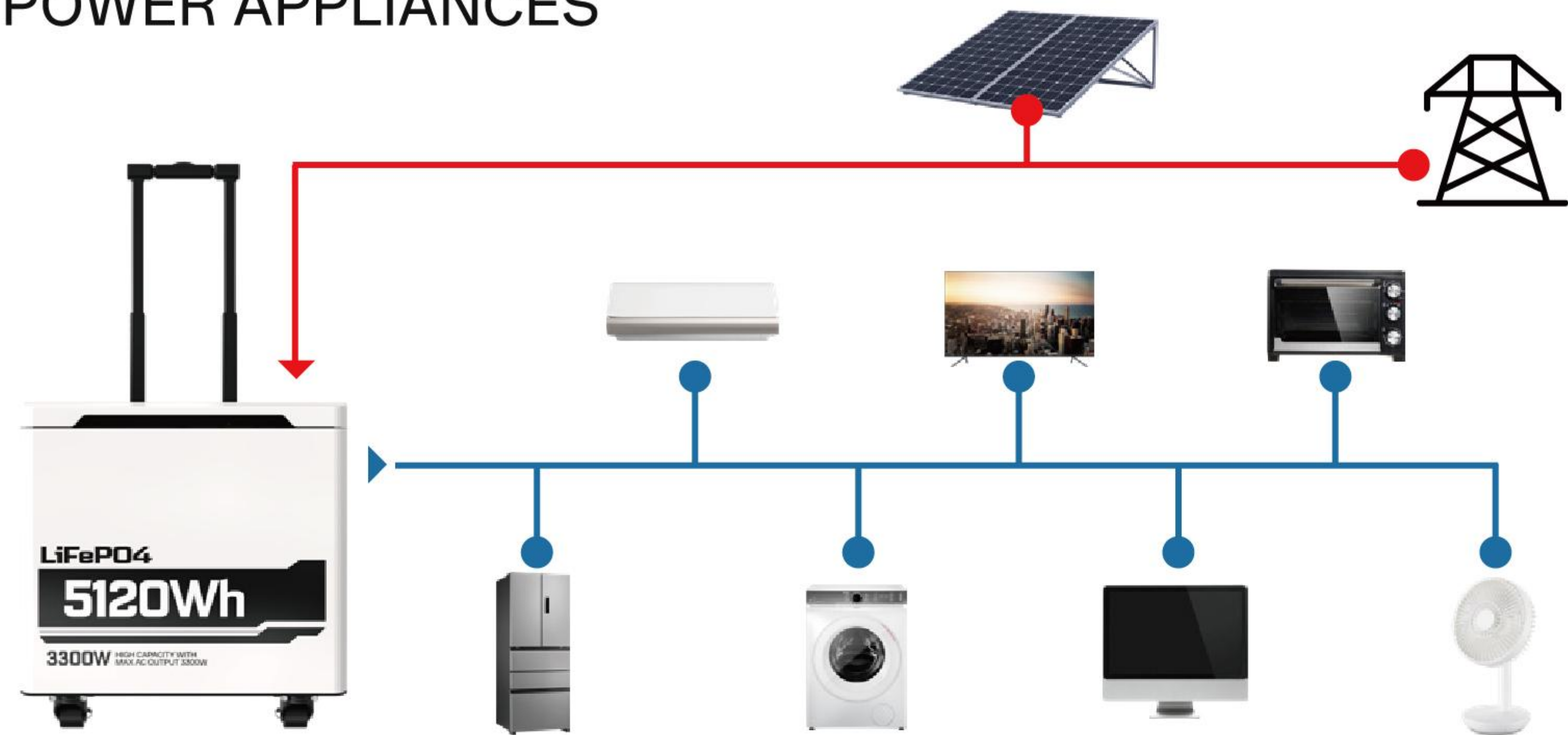
# SUITCASE-STYLE

HOME ENERGY STORAGE





# SUPPORTS HIGH - POWER APPLIANCES



| Parameter Name                   | Commonly Used Parameters                                               |
|----------------------------------|------------------------------------------------------------------------|
| Model                            | AL3.3KW-5120WH                                                         |
| Rated Output Power               | 3300W                                                                  |
| Rated Voltage of Battery         | 25.6V                                                                  |
| Nominal Capacity                 | Typical: 200AH±5%                                                      |
| Rated Energy                     | 5.12KWh±5%                                                             |
| AC Input                         | 165-280VAC±3V 50/60Hz±5% 120-280VAC±3V 50/60Hz±5%                      |
| Mains Power Mode Output          | The output voltage and frequency are the same as the mains power input |
| Inverter Mode Output             | Inverter 220VAC±2%/230VAC±2%/240VAC±2%<br>50Hz±0.5 or 60Hz±0.5Output   |
| Maximum Photovoltaic Input Power | 5000W                                                                  |
| Solar Input Voltage Range        | 40V-450VDC                                                             |
| Maximum Solar Input Current      | 18A                                                                    |
| Maximum Solar Charging Current   | 120A                                                                   |
| Maximum AC Charging Current      | 80A                                                                    |
| Total Charging Current           | 120A                                                                   |
| Operating Temperature            | 0℃~40℃                                                                 |
| Storage Temperature              | —15℃~45℃                                                               |
| Relative Temperature             | No condensation from -10℃ to 90℃                                       |
| Dimensions                       | 440*285*460±5mm                                                        |
| Weight                           | about 50 kg                                                            |

# RESIDENTIAL SOLAR SYSTEM

## 3.6KW PLAN/5.5KW PLAN

580W Solar Panels\*6



3.6KW/5.5KW/48V  
MPPT Solar Off-Grid Inverter



This 5.5KW system can easily power two air conditioners, battery life depending on your choice. A 200Ah battery meets basic needs, while a 300Ah battery ensures worry-free power usage.



51.2v 100/200/300AH Battery\*1

Refrigerator

138L



Fixed frequency



TV  
32"

Lamp  
10W



Fan  
18"



Double barrel  
washing machine  
10KG



# Energy Storage System For Industry and Commerce

## Energy Storage System

ESS utilizes high-voltage stackable all in one energy storage system, featuring modular high-voltage battery, integrated photovoltaic inverter modules, a complete set of energy storage solutions, no installation required, suitable for residential or commercial energy storage.



## I Features & benefits



Safe and reliable, IP54/IP20 protection level, Integrated fire protection and Air-conditioner



Support RS485/WiFi communication protocol



Integrated BMS/PCS/EMS



Modular design, easy to install and disassemble, free to add, strong availability



LED panel display the parameters of the equipment in real time



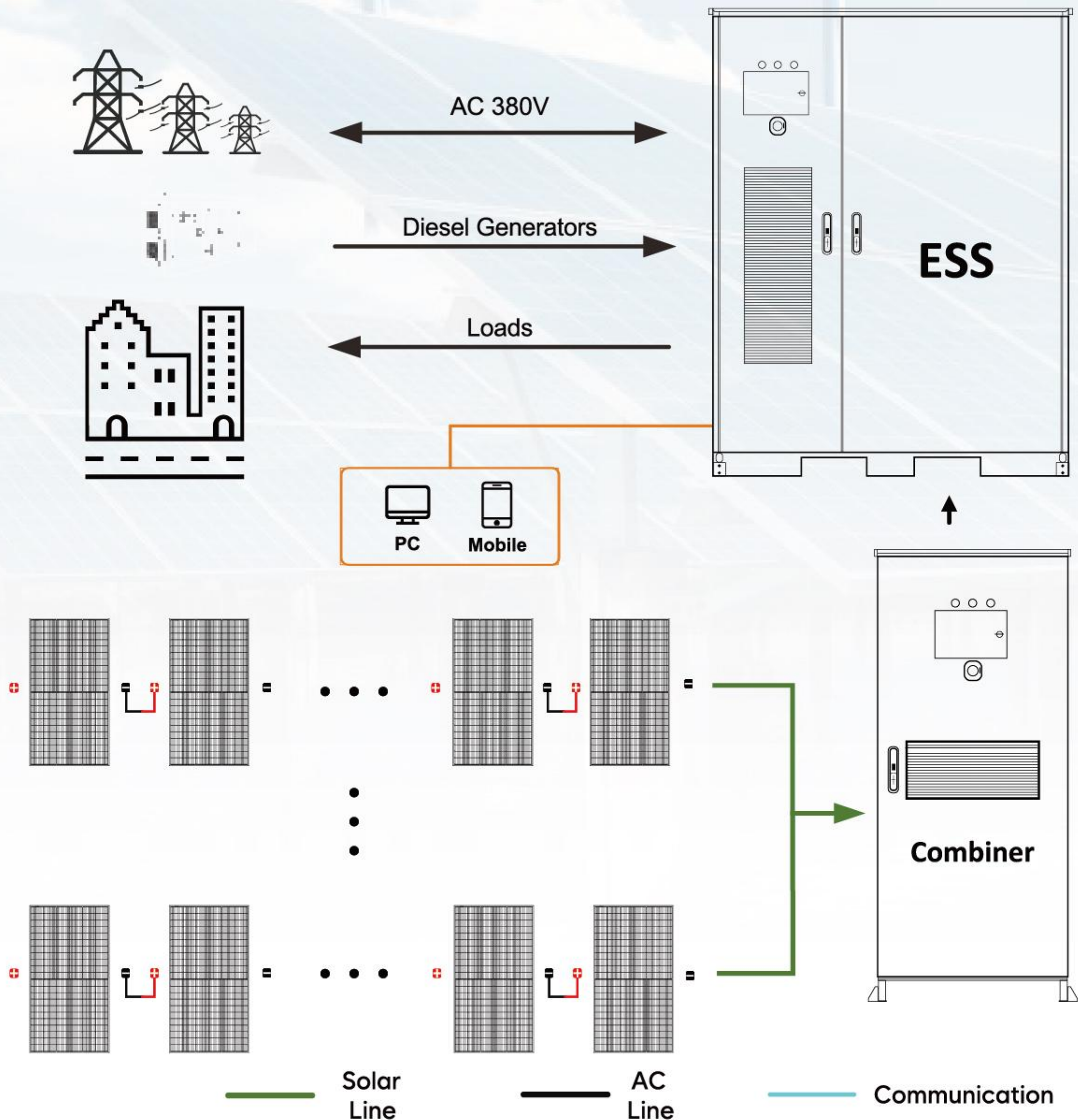
Efficient Space Utilization

## Energy Storage System

| Model                   | AL-50kWh+30kW/IP54            | AL-100kWh-50KW   | AL-215kWh-100kW  |
|-------------------------|-------------------------------|------------------|------------------|
| Battery                 |                               |                  |                  |
| Battery type            | LiFePO <sub>4</sub>           |                  |                  |
| Rated Energy            | 51kWh                         | 100kWh           | 215kWh           |
| Nominal Voltage         | 512V                          | 512V             | 768V             |
| Number of Slaver Module | 9                             | 9                | 14               |
| Rated Capacity          | 100Ah                         | 200Ah            | 280Ah            |
| Max. Discharge Current  | 100A                          | 200A             | 200A             |
| Max. Charge Current     | 100A                          | 200A             | 200A             |
| PV                      |                               |                  |                  |
| Max. power              | 38kW                          | 50kW             | 100kW            |
| Max. PV Voltage         | 850Vdc                        | 1000Vdc          | 1000Vdc          |
| MPPT Voltage Range      | 200~820Vdc                    | 300~850Vdc       | 150~650Vdc       |
| Max. PV Current         | 30A+30A                       | 35A+35A+35A      | 100A+100A        |
| MPPT String             | 2                             | 3                | 2                |
| On-Grid                 |                               |                  |                  |
| Rated Power             | 30kW                          | 50kW             | 100kW            |
| Rated Voltage           | 400Vac/230Vac (L1/L2/L3/N/PE) |                  |                  |
| Rated Frequency         | 50Hz/60Hz                     |                  |                  |
| Max. AC Current         |                               | 75A              |                  |
| THDi                    | <3%                           |                  |                  |
| Off-grid                |                               |                  |                  |
| Rated Power             | 30kW                          | 50kW             | 100kW            |
| Rated Voltage           | 400Vac/230Vac (L1/L2/L3/N/PE) |                  |                  |
| Rated Frequency         | 50Hz/60Hz                     |                  |                  |
| Max. AC Current         | 43A                           | 75A              | 145A             |
| Max. Parallel number    | 5                             | 5                | 5                |
| General Parameter       |                               |                  |                  |
| Communication           | RS485/WiFi                    |                  |                  |
| IP Class                | IP54                          |                  |                  |
| Operating temperature   | -15~55℃                       |                  |                  |
| Humidity range          | 5%~95%                        |                  |                  |
| Altitude                | <3000m                        |                  |                  |
| Fire Protection         | Aerosol and Perfluorohexanone |                  |                  |
| Cooling Mode            | Air-Conditioner               |                  |                  |
| PCS cooling method      | Intelligent cooling           |                  |                  |
| Size                    | 680*950*1450mm                | 1100*1000*1850mm | 1450*1100*2050mm |
| Weight                  | 600kg(Approx)                 | 1400kg(Approx)   | 2400kg(Approx)   |

# FGET 100kW Solar System: Hybrid

Energy Storage System



## Configuration

| Item                  | Specifications                          | Quantity |
|-----------------------|-----------------------------------------|----------|
| Energy Storage System | FGET-215kWh-100kW3M-HP1                 | 1 PCE    |
|                       | Battery rated energy                    | 215kWh   |
|                       | PCS rated power                         | 100kW    |
| Solar Panel           | FGET-580W Mono solar panels             | 180 PCS  |
| Combiner Box          | FGET-6 in 1,Waterproof IP65             | 2 PCS    |
| AC Distribution Box   | FGET-N4,Waterproof IP65                 | 1 PCE    |
| Accessory             | Cables                                  | 1 SET    |
| Mounting System       | Can be customized according to the roof | Optional |

# PV-STORAGE HYBRID SYSTEM

**SmartESS** 30~60KW / 128KWH



## Features

-  The system can be optionally equipped with an isolation transformer to improve its anti-interference capability.
-  It comes with a built-in DC-DC module, and the photovoltaic system is connected to the system via DC coupling, which is highly efficient.
-  The self-developed EMS has intelligent remote operation and maintenance capabilities, saving time and costs for operation and maintenance.
-  Intelligent air cooling is adopted to reduce energy consumption, improve energy efficiency, and extend the service life of the battery cells.

## Application scenarios



Microgrid



Factory



Shipping

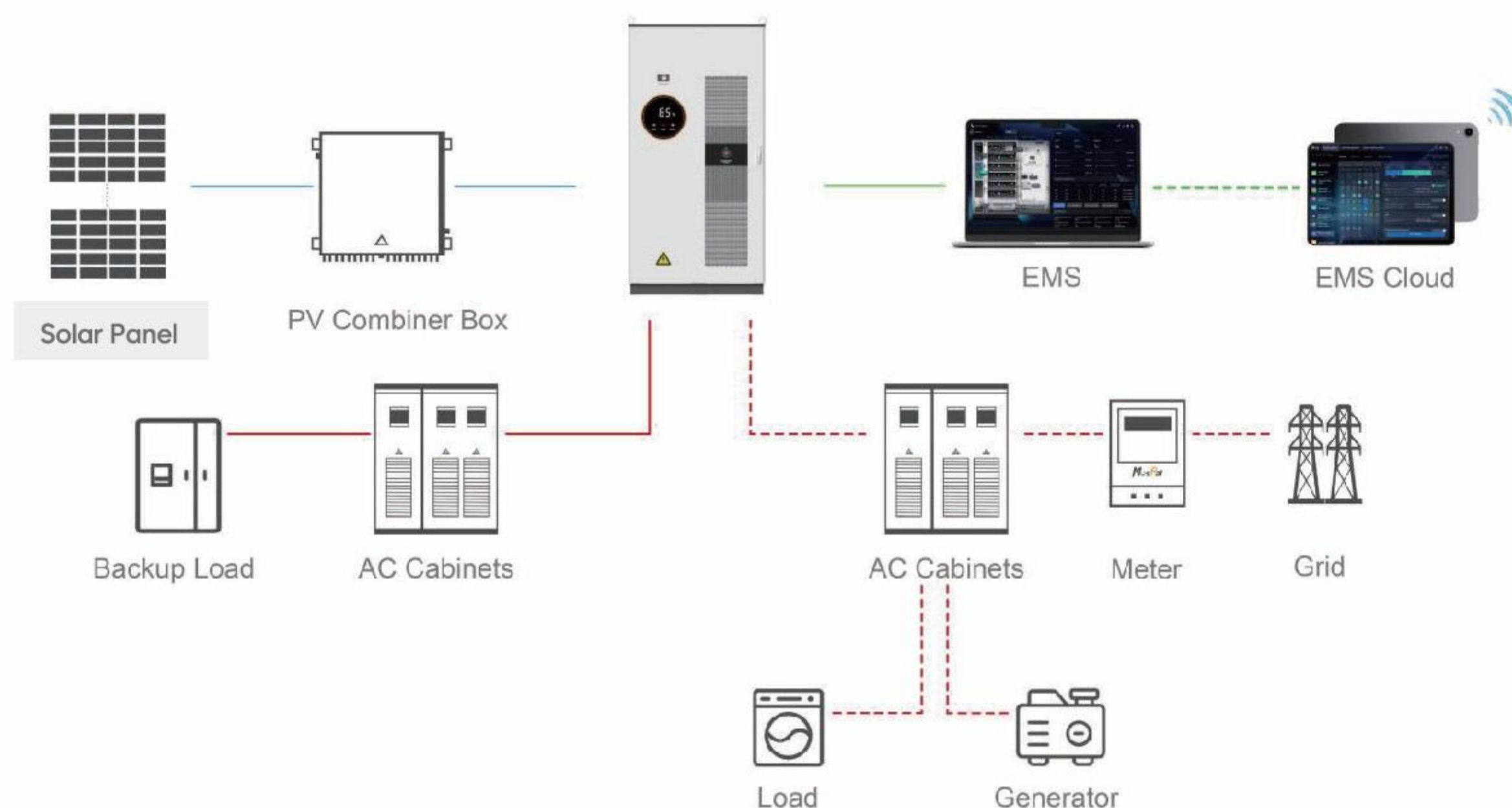


EV charging



Power supply systems in remote areas

## Small PV ESS Integrated Cabinet



## Product param

| Product Name                              | PV-Storage Hybrid System                                                            |                   |
|-------------------------------------------|-------------------------------------------------------------------------------------|-------------------|
| Model                                     | AL-30kW-128kWh-C1                                                                   | AL-60kW-128kWh-C1 |
| AC side (off-grid/on-grid)                |                                                                                     |                   |
| Rated AC power(kW )                       | 30                                                                                  | 60                |
| Maximum power(kW )                        | 33                                                                                  | 66                |
| Rated current(A)                          | 43.5                                                                                | 87                |
| Rated voltage(V)                          | 400 / 230                                                                           |                   |
| Wiring method                             | 3P4L                                                                                |                   |
| Grid voltage range                        | -20% ~ 15%                                                                          |                   |
| Rated power grid frequency Hz             | 50/60                                                                               |                   |
| Total current harmonic distortion rate(%) | ≤3 (rated power)                                                                    |                   |
| Power factor                              | -1~1                                                                                |                   |
| Photovoltaic input                        |                                                                                     |                   |
| Rated power ( kW )                        | 19.2*2 route                                                                        | 19.2*4 bus route  |
| Maximum PV voltage                        | 850V                                                                                |                   |
| PV start-up voltage                       | 250V                                                                                |                   |
| MPPT voltage range                        | 200V ~ 800V                                                                         |                   |
| MPPT Channels                             | 2                                                                                   | 4                 |
| Battery parameters                        |                                                                                     |                   |
| Cell type                                 | LFP 314Ah (Optional configuration)                                                  |                   |
| Rated capacity (kWh)                      | 96~128                                                                              |                   |
| Charge and discharge power                | 0.5P                                                                                |                   |
| Cycle life                                | 8000 Cycles@70%DOD/25℃ /0.5C                                                        |                   |
| System parameters                         |                                                                                     |                   |
| Operating mode                            | Grid connection and off-grid                                                        |                   |
| Wiring method                             | 3P4L+PE                                                                             |                   |
| Protection level                          | ≥IP54                                                                               |                   |
| Cooling method                            | Intelligent air cooling                                                             |                   |
| Dimensions ( mm )                         | 1184*950*2412 ( Without rings )                                                     |                   |
| Operating ambient temperature             | -20~55℃ ( Use at 45℃ with reduced capacity )                                        |                   |
| Working environment humidity              | 0 %~95% (non-condensing)                                                            |                   |
| Operating noise                           | ≤65dB                                                                               |                   |
| Working altitude                          | ≤2000m ( reduction in allowance for distances above 2000m )( >2000m Reduced usage ) |                   |
| fire protection                           | aerosol                                                                             |                   |
| Isolation transformer                     | Optional configuration                                                              |                   |
| Certifications                            | CE/UN38.3                                                                           |                   |

# Portable power

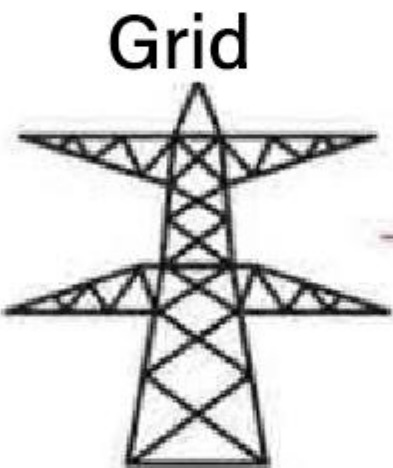
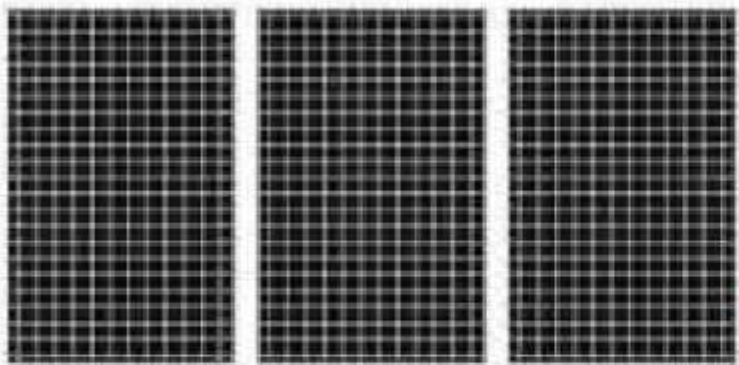
## Features

## Connection diagram



Solar panel

All-in-One Solar power system



AC DC Communication



Household high-Power applisncee

| Model                          | A12V21PP-300W              | A12V30PP-300W | A12V55PP-500W | A12V100PP-1KW |
|--------------------------------|----------------------------|---------------|---------------|---------------|
| Rated capacity                 | 255Wh                      | 380Wh         | 704Wh         | 1280Wh        |
| Battery capacity               | 21Ah                       | 30Ah          | 55Ah          | 100Ah         |
| Battery voltage                | 12.8V                      |               |               |               |
| Battery model                  | LifePo4 battery            |               |               |               |
| Protection measures            | BMS                        |               |               |               |
| Maximum current                | 20A                        | 30A           | 55A           | 100A          |
| Single group weight            | 5.8KG                      | 6.8KG         | 7.6KG         | 11.7KG        |
| Product certification          | UN38.8,MSDS,IEC            |               |               |               |
| Operating temperature          | -10-60                     |               |               |               |
| Charging and discharging times | ≥6000 yles                 |               |               |               |
| Packaging materials            | Carton                     |               |               |               |
| Installation method            | Standing                   |               |               |               |
| Output power                   | 300W                       | 300W          | 500W          | 1000W         |
| Output waveform                | Square wave                |               |               |               |
| AC output                      | 200VAC 230VAC,50/60HZ23.9A |               |               |               |
| MPPT input                     | 18VDC,5A                   |               |               |               |
| Solar input voltage            | 120-500VDC                 |               |               |               |
| Temperature protection         | -20~70°C                   |               |               |               |

## Project Cases

### C&I Energy Storage Project Cases



**0.92MW/1.832MWH** in Huzhou Tianlin Textile factory



**0.46MW/0.916MWH** in Huzhou Siyi factory



**250KW/522KWH** in Mespal Head quarters project



**500KW/1MWH ESS** in Central Africa



**4sets 150KW/150KWH** in Philippines



**500KW+1MWH BESS** project in Tan

### Energy Storage Station Project Cases



**20KW** on-grid solar system in Mexico



**6.6KWP solar+8.5KW/10.24KWH** offgrid solar system in Kenya



**30KW** off-grid solar system in DR



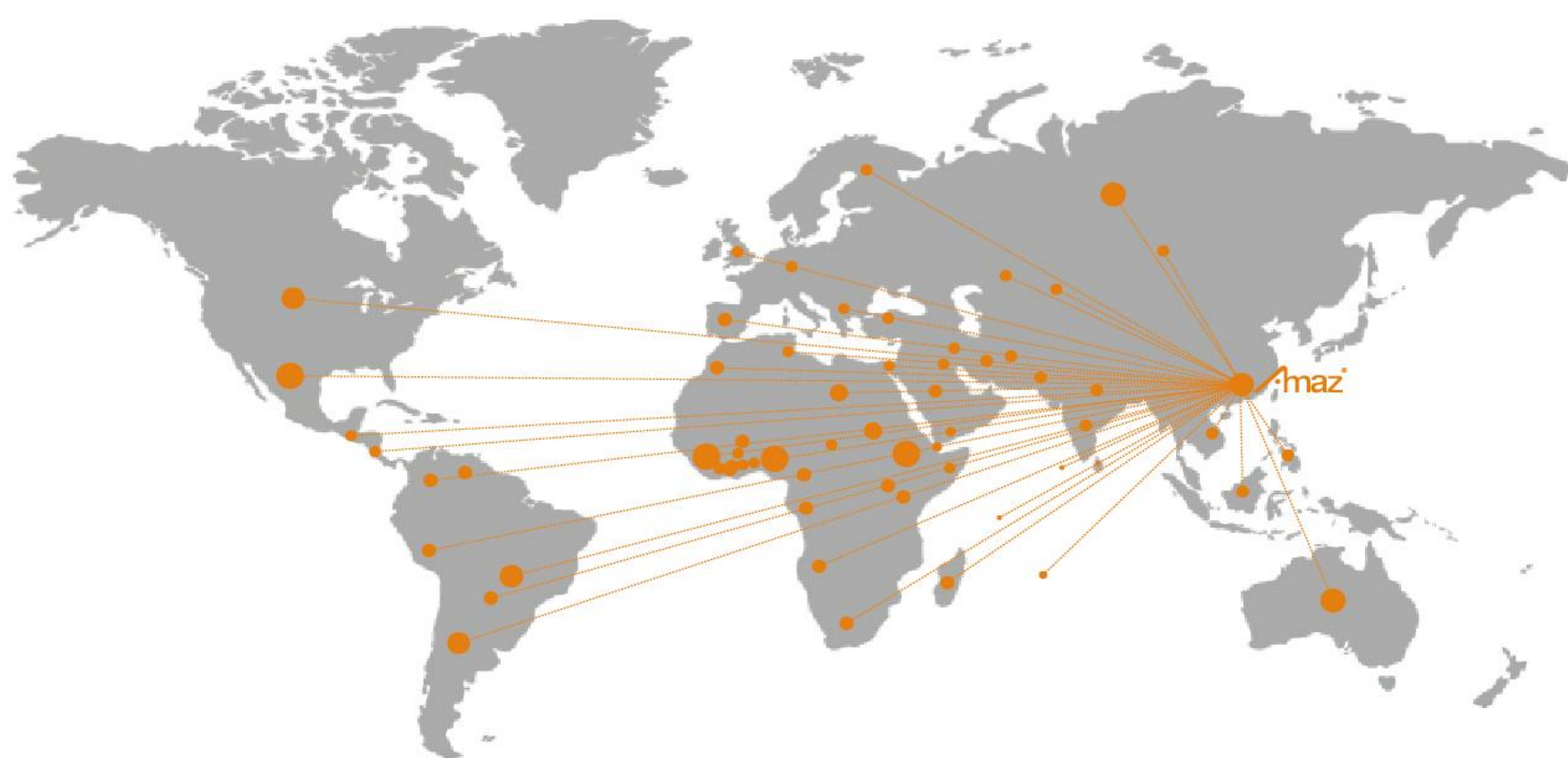
**10KW** solar + **20KWH** lithium battery hybrid solar system in Solomon Islands



**22KW** on-grid solar system in Ecuador



**8KW** solar+**20KW/20KWH** Off-Grid System in Accra, Ghana



Shirley-WhatsApp



Chris-WhatsApp



Website



VR Showroom



Shirley's Wechat

**Chris:0086-13826124165**

**Shirley:0086-13424122548**

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Ethiopia Factory: Oromia Special Zone Brayu, Tatak Industrial Zone