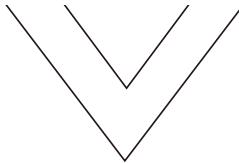


# **Veryeah Portable Power Kit**

User Guide

Ver 1.3.122



[www.veryeah.com](http://www.veryeah.com)  
[support@veryeah.com](mailto:support@veryeah.com)  
Veryeah Inc

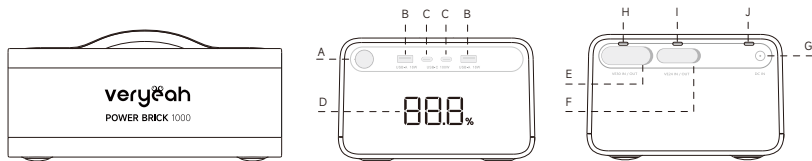
# IMPORTANT SAFETY INSTRUCTIONS

**WARNING** - Before using the product, you must carefully read and always comply with the following instructions :

1. When there are children around the product, close supervision is necessary to prevent any unnecessary harm.
2. Please do not put any part of your body into the product.
3. Apart from the solar panel, our product is not waterproof, please avoid water entering our product.
4. Do not puncture or subject the product to strong impact.
5. Please keep the product away from a source of fire and do not use it in an overheated environment.
6. Please do not use accessories that have not been approved by our company, as this may cause harm.
7. Please do not disassemble, modify the product or replace the battery pack or other accessories without authorization.
8. If the product needs maintenance or repair, it must be handed over to a qualified service provider.
9. Please charge the product in a well-ventilated environment.
10. If the product is damaged or deformed, please do not use it again, as it may cause accidental injury.
11. Please use our company's charger and follow its voltage range requirements, otherwise it may burn out the product.
12. Please recycle and dispose of the product according to local laws and regulations.

————— Please keep this manual for future reference —————

# Power Brick



## 【PRODUCT FEATURES】

- A. **Power Switch** : Turn the power brick off or on.
- B. **USB-A Output Port** : Fast charging, maximum 18W for each port.
- C. **USB-C Output Port** : Fast charging, maximum 100W for each port.
- D. **LED Display Screen** : Displays the remaining battery capacity percentage or displays warning codes.
- E. **VE30 Input/Output Port** : Input DC 50.68V Max 864W | Output DC 36.40-50.68V Max 2660W.
- F. **VE24 Input/Output Port** : Input DC 50.68V Max 864W | Output DC 36.40-50.68V Max 864W.
- G. **DC/Solar Input Port** : Input DC 12V,18V,24V,39.6V, Max 160W, MPPT / DC 50.68 Max 240W.
- H. **VE30 Port Indicator Light** : Green means the port is functioning normally.
- I. **VE24 Port Indicator Light** : Green means the port is functioning normally.
- J. **DC/Solar Input Port Indicator Light** : Green means the port is functioning normally.

## 【TECHNICAL SPECIFICATIONS】

- Net Weight** : 20.22 lbs ± 0.22 lbs (9.17 kg ± 0.1 kg)    **Dimension** : About 12.20 x 7.87 x 5.50 inch (310 x 200 x 140 mm)
- Capacity** : 1008WH / 22.5AH (44.8V)    **Battery** : Lithium-ion(LiFePo4), 26700, 1500 Cycles (80%)
- Charge Temperature** : 32~122°F (0~50°C)    **Discharge Temperature** : -4~140°F (-20~60°C)
- MPPT Charge** : DC 12V,18V,24V,39.6V, Max 160W, MPPT / DC 50.68V Max 240W
- DC Input** : DC 50.68V, 864W (MAX)    **DC Output** : 2660W (MAX)
- USB-C Output (X2)** : 5V/9V/12V/15V 3A, 20V 5A, 100W (MAX)
- USB-A Output (X2)** : 5V 2.1A, 9V 2A, 12V 1.5A, 18W (MAX)
- Testing and Certification** : FCC CE UN38.3 MSDS RoHS



## [POWER BRICK WARNING CODES]

**E01 :** VE24 port output over-current protection, current cannot exceed 20A (MAX 864W).

**E02 :** VE24 port input over-current protection, current cannot exceed 20A (MAX 864W).

**E03 :** VE24 port output short circuit protection, check if the connected device is damaged.

**E04 :** VE24 port over-temperature protection.

**E05 :** VE24 port communication abnormality, please use company-supported accessories or check whether the connected device is damaged.

**E06 :** VE30 port output over-current protection, current cannot exceed 75A, power cannot exceed 2660W.

**E07 :** VE30 port input over-current protection, current cannot exceed 20A (MAX 864W).

**E08 :** VE30 port output short circuit protection, check if the connected device is damaged.

**E09 :** VE30 port over-temperature protection.

**E10 :** VE30 port communication abnormality, please use company-supported accessories or check whether the connected device is damaged.

**E11 :** USB-A, USB-C port over-temperature protection, temperature cannot exceed 75°C (167°F).

**E12 :** DC-IN port input voltage is abnormal, please ensure that the input voltage is between 12V~50.68V.

**E13 :** Internal communication of the product is abnormal. If the product does not recover after restarting, please contact the maintenance personnel.

**E14 :** Temperature probe abnormality, please stop using the product and contact us.

**E15 :** Battery over-temperature protection. Please wait for a while and charge or discharge after the battery temperature returns to normal.

**E16 :** The battery charging temperature is too low, the temperature needs to be above 0°C(32°F).

**E17 :** Abnormal battery protection, please stop using the product and deliver it to maintenance personnel.

**E18 :** Overvoltage protection of the battery, please do not charge. If it does not recover after being idle for a period of time, please contact the maintenance personnel.

**E19 :** Low voltage protection of the battery, please charge immediately. After charging, the product will return to normal.

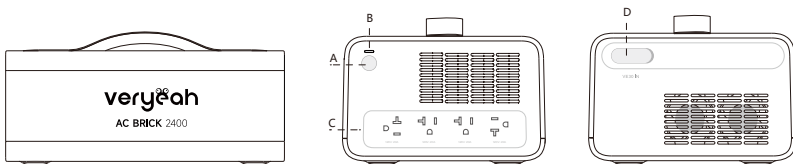
**E20 :** Battery discharge over-current protection, please use electrical appliances with rated power.

**E21 :** Battery discharge short circuit protection, please check if the output cable or the connected device is damaged.

**E22 :** Battery self-check failure during charging, please unplug and reconnect the charging cable and restart the device, or contact the repairman.

**E23 :** Battery over-current protection during charging, please use a suitable charger.

# AC Brick



## 【PRODUCT FEATURES】

- A. **Power Switch** : Turn the inverter off or on.
- B. **Indicator Light** : White indicates that the product is in standby mode, green indicates normal operation, red indicates self-check or overheating, and flashing red indicates a malfunction.
- C. **AC Output Panel** : AC 120V x 4, 2400W MAX.
- D. **VE30 Input Port** : Input DC 36.40-50.68V.

## 【TECHNICAL SPECIFICATIONS】

**Net Weight** : 8.82 lbs  $\pm$  0.22 lbs (4.0 kg  $\pm$  0.1kg)

**Dimension** : About 12.20 x 7.87 x 5.50 inch (310 x 200 x 140 mm)

**DC Input** : DC 36.40 - 50.68V

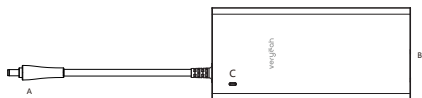
**AC Output** : AC 90V~120V, 2400W MAX, Full sine wave

**Work Temperature** : -4 ~ 161°F (-20 ~ 72°C)

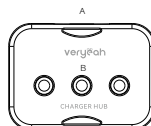
**Testing and certification** : FCC CE RoHS

# Charger

## 240W GaN Charger



## Charger HUB



### 【PRODUCT FEATURES】

- A. **DC5525 Output Port** : DC 50.68V, 240W.
- B. **AC Input Port** : AC 100V - 240V.
- C. **Indicator Light** : Green means the charger is functioning normally.

### 【PRODUCT FEATURES】

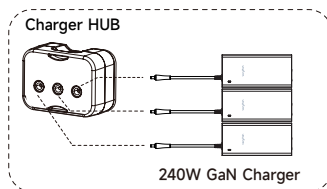
- A. **Connection Port** : VE24 interface for connecting to Power Brick or Power Brick HUB.
- B. **Input Port** : DC5525 interface for connecting to a 240W GaN charger.

### 【TECHNICAL SPECIFICATIONS】

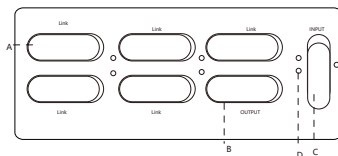
- Net Weight** : 1.39 lbs  $\pm$  0.11 lbs (0.63 kg  $\pm$  0.05 kg)
- Dimension** : About 6.34 x 2.94 x 1.25inch  
(161 x 74.7 x 31.5mm)
- DC Output** : DC 50.68V MAX 240W
- AC Input** : AC 100 - 240V, 50-60HZ
- OTP** :  $\geq 257^{\circ}\text{F}$  ( $\geq 125^{\circ}\text{C}$ )
- Testing and Certification** : CE FCC RoHs

### 【TECHNICAL SPECIFICATIONS】

- Net Weight** : 0.18 lbs  $\pm$  0.02 lbs (0.081 kg  $\pm$  0.010 kg)
- Dimensions** : About 2.60 x 2.08 x 1.89inch  
(66 x 53 x 48mm)
- Input** : DC 50.68V, 4.77A (MAX)
- Output** : DC 50.68V, 14.31A (MAX)



# Power HUB



## 【PRODUCT FEATURES】

- A. **Link Port (VE30)** : X 5, uses it to connect the Power Bricks.
- B. **Output Port (VE30)** : X1 , uses it to connect the Inverter.
- C. **Input Port** : X1, uses it to connect Charge HUB or Solar Brick.
- D. **Indicator Light** : White indicates that the product is in standby mode, green indicates normal operation, red indicates overheating, and flashing red indicates a malfunction.

## 【TECHNICAL SPECIFICATIONS】

**Net Weight** : 2.31 lbs ± 0.11 lbs (1.05 kg ± 0.05 kg)

**Dimensions** : About 7.87 x 3.189 x 3.15inch (200 x 81 x 80mm)

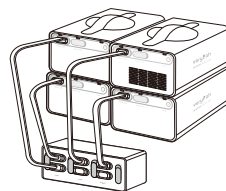
**Output Port Voltage** : DC 36.40 - 50.68V

**Input Port Voltage** : DC 50.68V

**Work Temperature** : -4 ~212°F ( -20 ~ 70°C)

**Testing and Certification** : CE FCC RoHS

Power Bricks and AC Brick

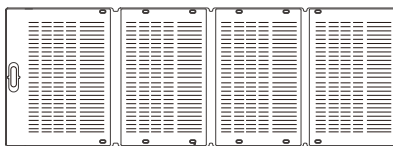


Power Hub

# Solar Panel



A



B



C

## 【PRODUCT FEATURES】

A: Solar panel connection cable, one end with DC5525 interface, the other end with Anderson interface

B: Solar panel

C: Solar panel bracket

## 【TECHNICAL SPECIFICATIONS】

**Material :** Monocrystalline silicon

**Folding dimensions :** About 24.29x19.09x1.38 inch  $\pm$  0.20inch

**Net Weight:** 13.23 lbs  $\pm$  1.10 lbs (6.0kg  $\pm$  0.5kg)

**Working Power (W) :** 158.5W (-5%, +10%)

**Power Temperature Coefficient :** -0.40% / K

**Current Temperature Coefficient :** +0.038%/K

**Folding method :** four-fold

**Unfolded dimensions :** About 68.74x24.29x1.1 inch  $\pm$  0.20 inch

**Charging port :** Anderson

**Working Voltage (V) :** 39.9V (-5%, +10%)

**Voltage Temperature Coefficient :** -0.31% / K

**Cable:** 16AWG , About 118.11inch  $\pm$  1.18inch , DC5525 + Anderson

**Standard Operating Power Pmax (@STC) :** 160W (-5%, +10%)

**Standard Operating Voltage Vmp (@STC) :** 40.3V (-5%, +10%)

**Standard Operating Current Imp (@STC) :** 3.97A (-5%, +10%)

**Open Circuit Voltage Voc (@STC) :** 47.5V (-5%, +10%)

**Short Circuit Current Isc (@STC) :** 4.18A (-5%, +10%)

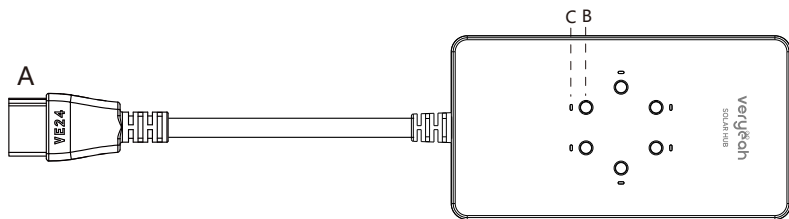
( Standard Test Conditions : AM=1.5, 25°C, 1000W/m<sup>2</sup>; The testing method involves using a xenon or halogen lamp to simulate a light source for testing the load meter )

## 【USE AND STORAGE】

- ① Outdoor use with unobstructed sunlight.
- ② Storage conditions (long-term): temperature 50°F~95°F (10°C~35°C) , humidity not exceeding 60%.
- ③ Operating environment temperature - 4°F~140°F ( - 20°C~60°C) .
- ④ This product should not be in contact with highly corrosive materials.
- ⑤ Avoid scratching or impacting the surface of the solar panel with hard objects during use.
- ⑥ Avoid subjecting the solar panel to large bending stress during transportation and assembly.



# Solar HUB



## 【PRODUCT FEATURES】

A. **Output Port** : VE24 X 1, To connect Power Brick or Power Hub.

B. **Input Port** : DC5525 X6, MPPT, To connect Solar Panel.

C. **Indicator Light** : X6, White indicates that the product is in standby mode, green indicates normal operation, red indicates overheating, and flashing red indicates a malfunction.

## 【TECHNICAL SPECIFICATIONS】

**Net Weight** : 2.65 lbs  $\pm$  0.44 lbs (1.20 kg  $\pm$  0.20 kg)

**Dimension** : About 6.61 x 3.54 x 1.77inch (168 x 90 x 45mm)

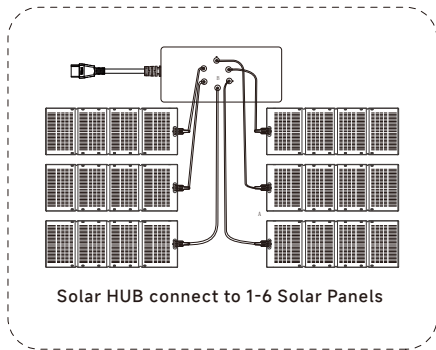
**Single Input** : DC 12 ~ 40V MAX 4.7A / 160W MPPT

**Total Input Power** : MAX 960W MPPT

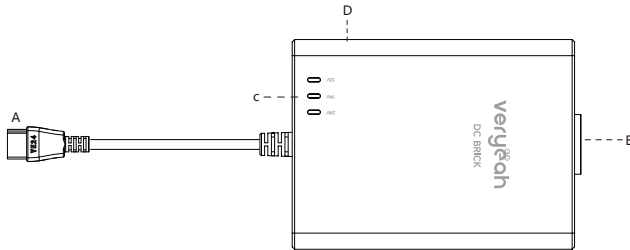
**VE24 Output** : 50.68V MAX 864W

**MPPT Charge Temp** : -4 ~185°F (-20 ~ 85°C )

**Testing and Cer** : CE FCC RoHS



# DC Brick



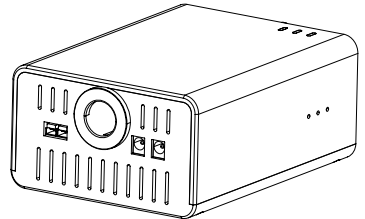
## 【PRODUCT FEATURES】

- A. **Connection Port** : VE24 X 1, To connect Power Brick or Power Hub.
- B. **Output Ports** : Anderson connector X1, DC5521 interfaces X2, cigarette lighter socket X1.
- C. **Indicator Lights** : Indicate the currently selected output voltage (12V/19V/24V).
- D. **Mode Buttons** : Used to switch the output voltage.

**Switching voltage modes** : Press and hold the mode button for 4 seconds or until you hear a "beep" sound, then release the button. Wait for the mode indicator light to stop flashing, indicating that the switching is complete.

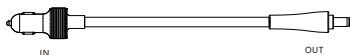
## 【TECHNICAL SPECIFICATIONS】

- Net Weight** : 3.46 lbs ± 0.55 lbs (1.57kg ± 0.25kg)
- Dimension** : About 6.69 x 5.11 x 2.95inch (170 x 130 x 75mm)
- Total Output Power** : 360W MAX
- DC5521 Output Ports** : 12V/19V/24V, 6A MAX
- Cigarette Lighter Socket Output** : 12V/19V/24V, 10A MAX
- Anderson Connector Output** : 12V/30A, 19V/18A, 24V/15A, 30A MAX



# Accessories

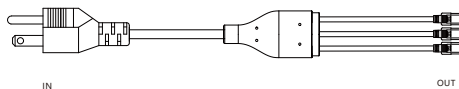
## 1、Cigarette Lighter Charger Cable



Power Brick charge cable, one end with cigarette lighter socket (IN), the other end with DC5525 port (OUT)

**Length: 1.5 M      Max Voltage (DC) : 24V      Max Current : 10A**

## 2、Multi Charger Cable



This device has an AC plug (IN) on one end for connecting to the AC power grid, and on the other end, it can connect to three 240W GaN charger.

**Length: 1.1 M      Max Voltage (AC) : 240V      MAX Current : 10A**

## 3、VE30-VE30 Cable



VE30 cable, the end with VE30 port

**Length: 330MM (short) / 440MM (medium) / 570MM (long)**

**MAX Current : 75A**

# How to combine and use together

## Commonly used several ways of combination

### 1008WH Capacity Power Brick alone

Power Brick X 1



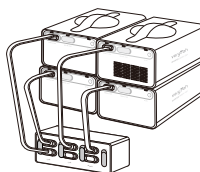
### 1008WH Capacity 2400W AC Power

Power Brick X 1  
AC Power X 1  
VE30-VE30 short cable X 1



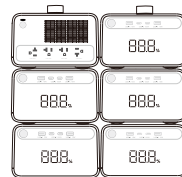
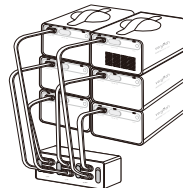
### 3024WH Capacity 2400W AC Power

Power Brick X 3  
AC Power X 1  
Power HUB X 1  
VE30-VE30 short cable X 2  
VE30-VE30 medium cable X 2



### 5040WH Capacity 2400W AC Power

Power Brick X 5  
AC Power X 1  
Power HUB X 1  
VE30-VE30 short cable X 2  
VE30-VE30 medium cable X 2  
VE30-VE30 long cable X 2



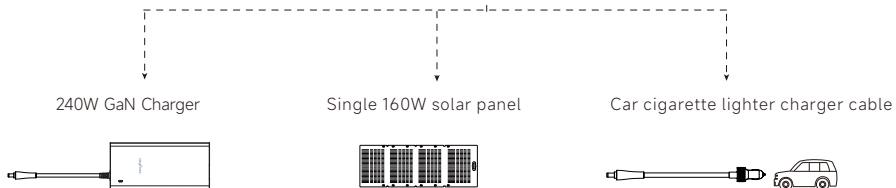
# How to charge a single Power Brick

## 【Superfast Charging Mode】

Charge the Power Brick by connecting 2-6 solar panels through the Solar HUB (A), or by Charger HUB (B).

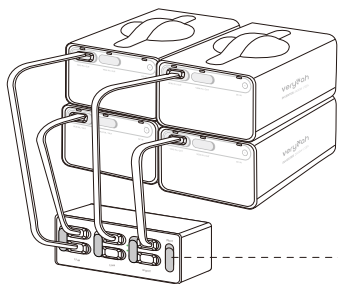


## 【Normal Charging Mode】

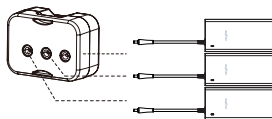


# How to charge multiple Power Bricks at once

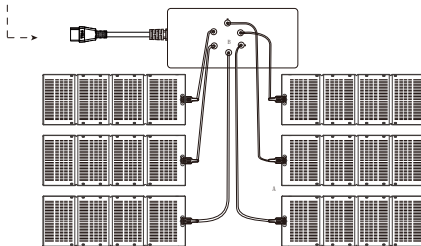
First, you connect all the Power Bricks that need to be charged together through the Power HUB. Next, by using the INPUT port of the Power HUB, you can charge all the connected Power Bricks sequentially.



Power HUB with Power Bricks



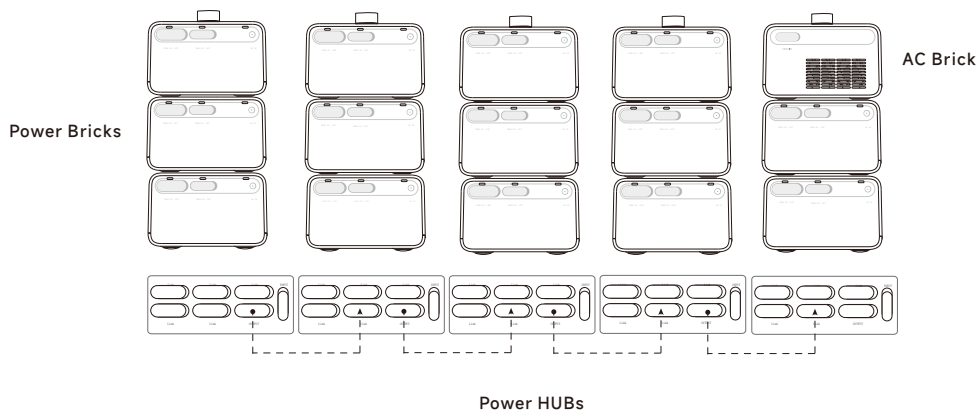
Charger Hub connect to 1-3 240W GaN Charger

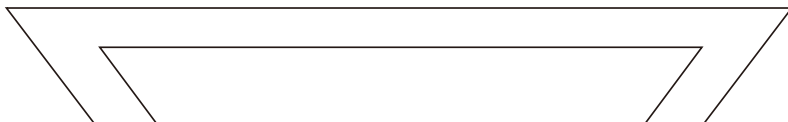


Solar HUB connect to 1-6 Solar Panels

# How to create an unlimited power wall

First, connect the OUTPUT port of one Power HUB to the LINK port of another HUB, to achieve a series connection of multiple HUBs. Second, connect the OUTPUT port of the last HUB to an AC Power and connect all remaining LINK ports to Power Bricks, so that N Power Bricks can work together.

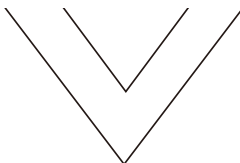




# 蛙野便携电源套件

用户手册

Ver 1.3.122



[www.veryeah.com](http://www.veryeah.com)

[support@veryeah.com](mailto:support@veryeah.com)

深圳蛙野科技有限公司



## 重要安全须知

警告 - 在使用产品之前，必须认真阅读并严格遵守如下使用说明：

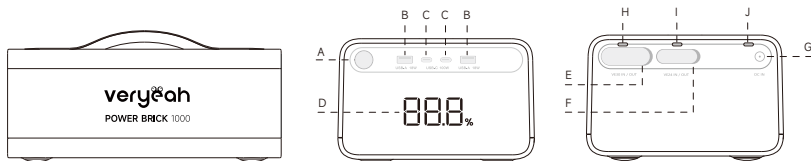
1. 当产品周边有小孩的时候，需要密切监督，以免造成不必要的伤害。
2. 请不要将身体的任何部分放入产品当中。
3. 除开太阳能板，我们的产品不支持防水，请避免水进入我们的产品。
4. 请勿穿刺或强烈冲击产品。
5. 请将产品远离火源，请不要在过热或者过冷的环境里使用本产品。
6. 请不要使用蛙野不承认的配件，否则容易造成伤害。
7. 请不要使用私自拆解、改装或更换电池组、内部零件。
8. 如果产品需要维护或者维修，必须交给蛙野指定合格的服务提供商。
9. 请在通风良好的环境里给产品充电。
10. 如果产品发生了损坏或者变型，请不要再使用，否则会造成意外伤害。
11. 请使用我们配套的充电器，并遵循它的电压范围要求，否则可能会造成产品损坏。
12. 请根据当地法律规定回收和弃置产品。

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请妥善保管此手册

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# 小电站



## 【功能示意】

- A. 电源开关：打开或关闭小电站
- B. USB-A 输出口：每个口独立最大18W快充
- C. USB-C 输出口：每个口独立最大100W快充
- D. LED 显示屏：显示剩余电量百分比，或者显示提示代码
- E. VE30 输入/输出口：输入 DC 50.68V Max 864W | 输出 DC 36.40-50.68V Max 2660W
- F. VE24 输入/输出口：输入 DC 50.68V Max 864W | 输出 DC 36.40-50.68V Max 864W
- G. DC/Solar 输入口：输入 DC 12V,18V,24V,39.6V, Max 160W, MPPT / DC 50.68 Max 240W
- H. VE30 口指示灯：绿灯代表工作正常，否则工作异常
- I. VE24 口指示灯：绿灯代表工作正常，否则工作异常
- J. DC/Solar 口指示灯：绿灯代表工作正常，否则工作异常

## 【技术参数】

净重：9.17 Kg ± 0.1Kg

尺寸：310 x 200 x 140 mm

电池容量：1008WH / 22.5AH (44.8V)

电池：Lithium-ion(LiFePo4), 26700, 1500 循环 (80%)

充电温度：0~50℃ (32~122°F)

放电温度：-20~60℃ (-4~140°F)

总输入：DC 50.68V, 864W (MAX)

总输出：DC 2660W (MAX)

MPPT充电：DC 12V,18V,24V,39.6V, Max 160W, MPPT / DC 50.68 Max 240W

USB-C 输出 (X2)：5V/9V/12V/15V 3A, 20V 5A, Max 100W

USB-A 输出 (X2)：5V 2.1A, 9V 2A, 12V 1.5A, Max 18W

测试与认证：FCC CE IC C-TICK UN38.3 MSDS RoHS



## 【小电站提示代码】

**E01：**VE24口输出过流保护，电流不能超过20A（MAX 864W）

**E02：**VE24口输入过流保护，电流不能超过20A（MAX 864W）

**E03：**VE24口输出短路保护，请检查所连设备是否损坏

**E04：**VE24口过温保护。

**E05：**VE24口通讯异常，请使用公司推荐的设备，否则会造成产品损坏

**E06：**VE30口输出过流保护，电流不能超过75A（MAX 2660W）

**E07：**VE30口输入过流保护，电流不能超过20A（MAX 864W）

**E08：**VE30口输出短路保护，检查所连设备是否损坏

**E09：**VE30口过温保护。

**E10：**VE30口通讯异常，请使用公司推荐的设备，否则会造成产品损坏

**E11：**USB-A, USB-C口过温保护，温度不能超过75℃

**E12：**DC-IN口输入电压异常，请确认输入电压范围为：12V-50.68V

**E13：**内部通讯异常，如果重启后没有恢复，请联系维修人员

**E14：**温度探头异常，请停止使用，并联系维修人员

**E15：**电池过温保护，请给产品降温或静置，等产品温度正常后才能充电或放电

**E16：**电池充电温度太低，充电温度必须大于0℃

**E17：**电池异常保护，请停止使用，并联系维修人员

**E18：**电池电压过高保护，请停止充电，如果静置一段时间后没有恢复，请联系维修人员

**E19：**电池电压过低保护，请立即充电，充电完成后，产品将恢复正常

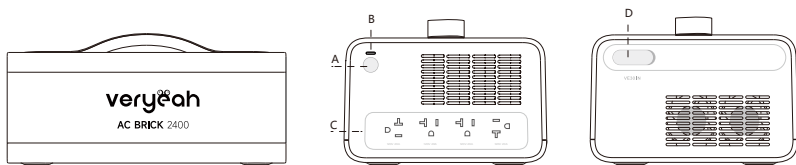
**E20：**电池放电过流保护，请使用额定功率的电器

**E21：**电池放电短路保护，请检查产品所连电线或设备是否损坏

**E22：**电池充电自检失败，请重新插拔充电电缆并重启设备，如果没恢复，请联系维修人员

**E23：**电池充电过流保护，请使用正确的充电器

# 逆变器



## 【功能示意】

- A. **电源按钮**：打开或关闭逆变器
- B. **指示灯**：白灯表示待机状态，绿色表示逆变器处于工作状态，红灯表示自检或过温状态，红灯闪烁表示工作异常
- C. **交流输出面板**：AC 220V x 4, 2400W MAX
- D. **VE30输入口**：DC 36.40-50.68V

## 【技术参数】

**净重**：4.0 kg  $\pm$  0.1 kg

**尺寸**：310 x 200 x 140 mm

**输入**：DC 36.40 - 50.68V

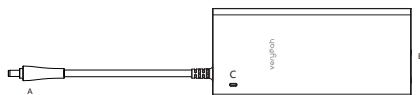
**输出**：AC 210V~230V, 2400W MAX, 纯正弦波

**工作温度**：-20 ~ 72°C (-4 ~ 161°F)

**测试与认证**：FCC CE RoHS

# 充电器

## 240W GaN 充电器



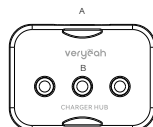
### 【功能示意】

- A. 输出口：DC5525接口，DC 50.68V，240W
- B. 输入口：AC 100V - 240V
- C. 指示灯：绿色表示工作正常

### 【技术参数】

净重：0.63 kg  $\pm$  0.05 kg  
尺寸：161 x 74.7 x 31.5mm (L x W x H)  
输出：DC 50.68V MAX 240W  
输入：AC 100 - 240V，50-60HZ  
过温保护： $\geq 125^{\circ}\text{C}$   
测试与认证：CE FCC RoHS

## 充电HUB

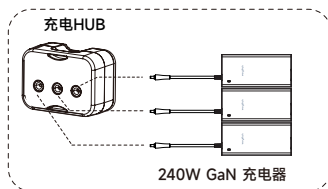


### 【功能示意】

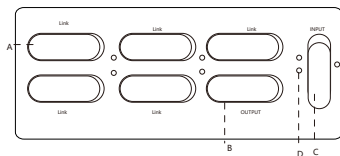
- A. 连接接口：VE24 接口，用于连接小电站或小电站 HUB。
- B. 输入接口：DC5525 接口，用于连接 240W GaN 充电器。

### 【技术参数】

净重：0.081 kg  $\pm$  0.010 kg  
尺寸：66 x 53 x 48mm (L x W x H)  
输出：DC 50.68V，4.77A (MAX)  
输入：DC 50.68V，14.31A (MAX)



## 小电站HUB



### 【功能示意】

- A. **连接口**：5个，VE30接口，用来连接小电站
- B. **输出口**：1个，VE30接口，用来连接逆变器
- C. **输入口**：1个，VE24接口，用来连接超级快充充电器，或者太阳能HUB
- D. **指示灯**：白色表示待机状态，绿色表示工作正常，红色表示异常，红闪表示故障

### 【技术参数】

净重：1.05 kg  $\pm$  0.05 kg

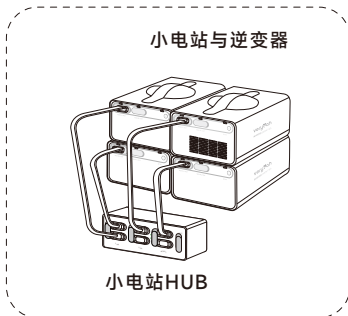
尺寸：200 x 81 x 80mm (L x W x H)

输出：DC 36.40 - 50.68V

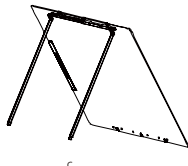
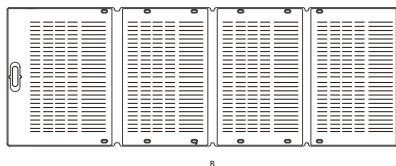
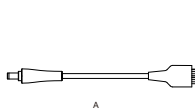
输入：DC 50.68V

工作温度：-20 ~ 70°C (-4 ~ 212°F)

测试与认证：CE FCC RoHS



# 太阳能板



## 【功能示意】

A: 太阳能板连接线，一边是DC5525接口，一边是安德森接口

B: 太阳能板

C: 太阳能支架

## 【技术参数】

**材料：**单晶硅电池片

**折叠尺寸：**617\*485\*35 mm±5mm

**净重：**6.0KG ±0.5KG

**功率 (W)：**158.5W (-5%, +10%)

**功率温度系数：**-0.40% / K

**电流温度系数：**+0.038%/K

**折叠方式：**四折

**展开尺寸：**1746\*617\*28mm±5mm

**接口：**安德森

**工作电压 (V)：**39.9V (-5%, +10%)

**电压温度系数：**-0.31% / K

**线缆：**16AWG, 3000±30mm, DC5521 + Anderson

**标准工作功率  $P_{max}$  (@STC)：**160W (-5%, +10%)

**标准工作电压  $V_{mp}$  (@STC)：**41.0V (-5%, +10%)

**标准工作电流  $I_{mp}$  (@STC)：**3.90A (-5%, +10%)

**开路电压  $V_{oc}$  (@STC)：**47.5V (-5%, +10%)

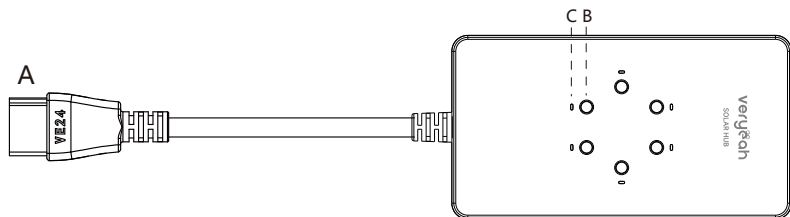
**短路电流  $I_{sc}$  (@STC)：**4.10A (-5%, +10%)

(标准测试条件：AM=1.5, 25°C, 1000W/m<sup>2</sup>; 测试方式采用采用氙灯或卤素灯模拟光源待负载仪测)

## 【使用与保存】

- ① 阳光下无遮挡之户外环境使用
- ② 储存条件 (长期)：温度10-35°C，湿度不大于60%
- ③ 工作环境温度：-20°C-60°C
- ④ 本产品不能与强腐蚀性物质接触
- ⑤ 使用过程中避免硬物刮伤、撞击太阳能板表面
- ⑥ 运输和装配时应当避免太阳能板承受大幅度的弯曲应力。使用后按出厂折叠顺序折叠收纳太阳能折叠包

# 太阳能HUB



## 【功能示意】

- A. 输出口：VE24接口，连接小电站或者小电站HUB
- B. 输入口：DC5525接口，6个，带MPPT功能，连接太阳能板
- C. 指示灯：白色表示待机状态，绿色表示工作正常，红色表示异常或故障

## 【技术参数】

净重：1.2 kg  $\pm$  0.2 kg

尺寸：168 x 90 x 45mm (L x W x H)

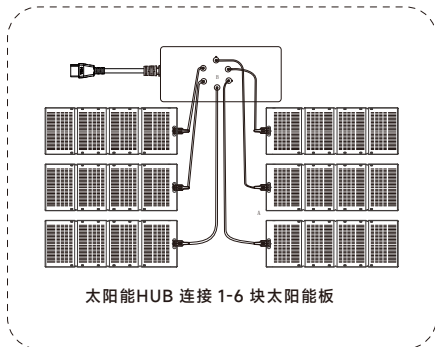
单口输入：DC 12 - 40V MAX 4.7A / 160W MPPT

总输入：MAX 960W MPPT

总输出：50.68V MAX 864W

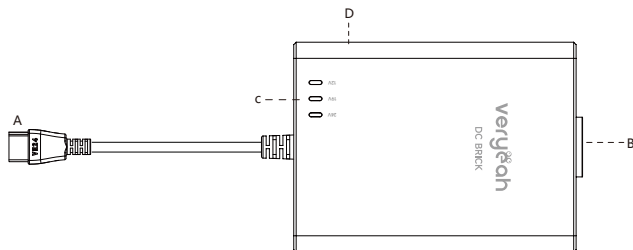
工作温度：-20 ~ 85°C (-4 ~ 185°F)

测试与认证：CE FCC RoHS





# DC转换器



## 【功能示意】

- A. **连接接口**：VE24 x 1，用于连接小电站或小电站HUB。
- B. **输出接口**：安德森连接器 x 1，DC5521 接口 x 2，车载点烟器插座 x 1。
- C. **指示灯**：显示当前选择的输出电压（12V/19V/24V）。
- D. **模式按钮**：用于切换输出电压。

**切换电压模式**：长按模式按钮4秒钟或听到“滴滴”声，然后释放按钮。等待模式指示灯停止闪烁，切换已完成。

## 【技术参数】

**重量**：1.57kg ± 0.25kg

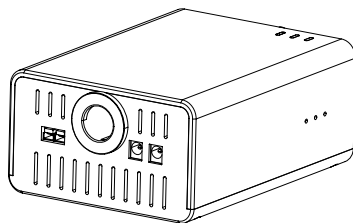
**尺寸**：170 x 130 x 75mm (L x W x H)

**总输出功率**：360W MAX

**DC5521 总输出**：12V/19V/24V，6A MAX

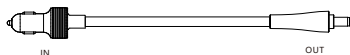
**车载点烟器输出**：12V/19V/24V，10A MAX

**安德森接口输出**：12V/30A，19V/18A，24V/15A，30A MAX



# 配件

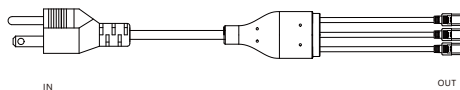
## 1、车载充电线



小电站车载充电线，一边是点烟器接口（IN），用来插入汽车点烟器；一边是DC5525接口（OUT），用来给小电站充电。

长度：1.5 M      最大电压（DC）：24V      最大电流：10A

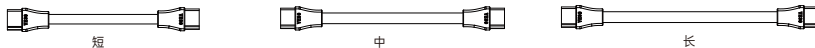
## 2、多充电器线



线材交流插头（输入）用于连接交流电网，另一端可以连接三个240W GaN充电器。

长度：1.1 M      最大电压（AC）：240V      最大电流：10A

## 3、VE30-VE30 连接线



此线材两端均为VE30接头。

长度：330MM (短) / 440MM (中) / 570MM (长)      最大电流：75A

# 如何组合使用

## 常见的几种组合方式：

**1008WH** 容量

**单个小电站模式**

小电站 X 1



**1008WH** 容量

**2400W** AC功率

小电站 X 1

逆变器 X 1

VE30-VE30 短线 X 1



**3024WH** 容量

**2400W** AC功率

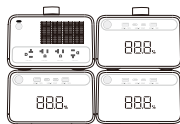
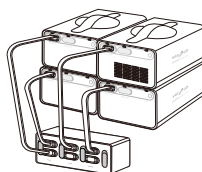
小电站 X 3

逆变器 X 1

小电站HUB X 1

VE30-VE30 短线 X 2

VE30-VE30 中线 X 2



**5040WH** 容量

**2400W** AC功率

小电站 X 5

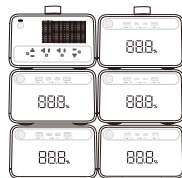
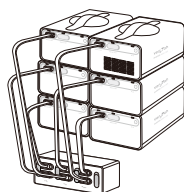
逆变器 X 1

小电站HUB X 1

VE30-VE30 短线 X 2

VE30-VE30 中线 X 2

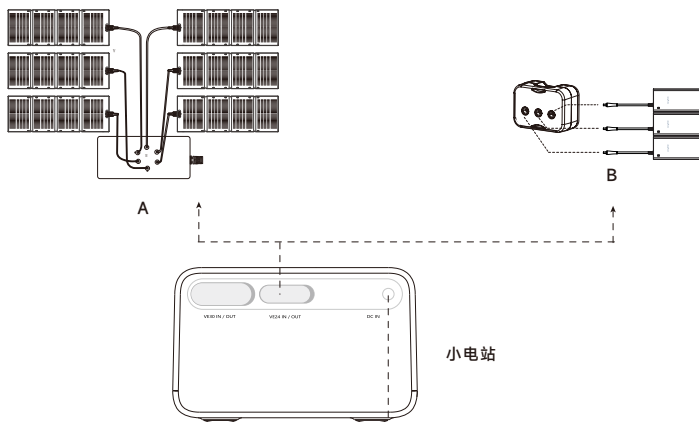
VE30-VE30 长线 X 2



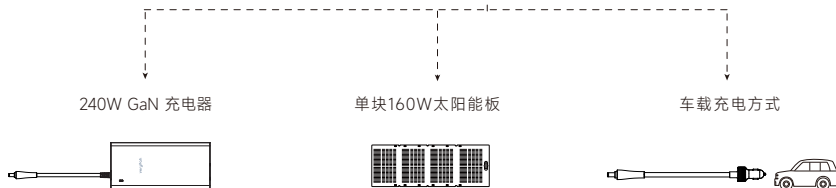
# 如何给单台小电站充电

## 两种超级快充方式：

通过将2-6个太阳能板连接太阳能HUB（A）或充电HUB（B）连接来给小电站充电。



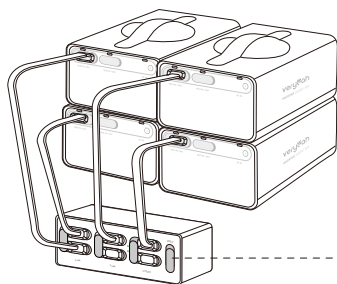
## 三种普通快充方式：



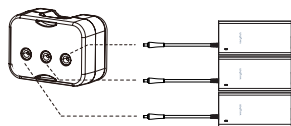
## 如何给多台小电站一次性充电

首先，通过小电站HUB，将多台小电站连至其LINK口。然后，通过小电站HUB的INPUT口，可以给所有连接的小电站依次充电。

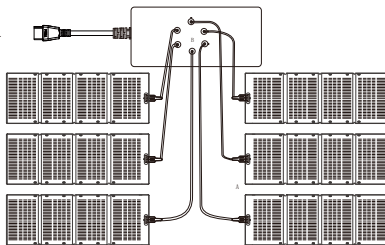
注意：此INPUT口可以连接充电HUB或者太阳能HUB。



小电站HUB 和 小电站们



充电HUB 连接 1-3个 240W GaN 充电器



太阳能HUB连接 1-6块太阳能板

## 如何构建N台小电站组成的电源墙

首先，将一个小电站HUB的OUTPUT口，接至另外一台小电站HUB的LINK口，如此类推组建一个多个HUB串联的系统。然后，将最后一台HUB的OUTPUT口连接一个逆变器。最后，将HUB的剩余LINK口都接上小电站。这样你就组成了一个超级电源墙。

