Portable and Foldable Solar Panel

Model: AP-SP-033

User Manual

Thank you for purchasing our fold-and-go solar suitcase which offers the power of 3 standard portable power stations on the market.The flexible design allows you to simply place on the ground or mount it to any irregular surface like terrace or of vehicle.

Training up with solar combination, rechargeable batteries together, this kit also can provide an excellent choice for 5-12V DC applications that require pollution-free, clean and silent power.

■ General Safety

Read this instruction manual to fully understand the function of this product before using, in particular you should follow this important General Safety Information, otherwise operation may cause product failure and in serious cases may cause safety issue.

1.There are no serviceable parts for this solar kit, do not attempt to disassemble or modify it in any way.

2.Faulty connections can result in electrical shock, please check and make sure that all locking connectors are fully fastened and locked.

3.Do not carry this whole kit by carrying through the wires from this solar kit. Doing so may cause the wires to be damaged or broken and connecting other objects may cause serious of more-serious or the side which will lead to dangerous overheat eventually.

4. Solar panels are not breakable, please handle them carefully, and avoid hitting them with sharp objects or knocking heavily on them.

5. It is normal that solar panel get hotter during working hours and please store them with the box after cool down.

6.The maximum temperature for charge controller/regulator, and batteries must be measured in outdoor, such a chilled or enclosed.

■ Technical Specifications

Peak Power: 200W ±5%
Open Circuit Voltage(Voc): 22.2V
Maximum Power Voltage(Vmp): 18.7V
Solar Energy Conversion Rate: 19%-22%
Operating Temperature: -20~+55℃ (+4~ 131F)
AC technical data at standard test conditions: STC(1000W/㎡ 1℃(32℃ AM=1.5
Dimensions: 1.5m x 0.42m x 0.4m / 60.5 x 16.5 inch(L x W x D) inch
Weight: 9.7kg / 13.9 lb

■ Part List

■ How it works

Solar Rays:

- Place the solar kit in sunlight directly and angle it at 30-60 degrees from that which will harvest the most sun energy a day.
- All panels should face the sun, and not be blocked by shadows.

Stops for Connection

WAVE (SAFE) IN FRONT SIDE of panel is covered before charging, otherwise it may damage the related electrical equipment.

⓪ Location
Locate the solar kit to an area where it will receive the most possible sunlight, the location should also the panel to be protected from accidental damage.(Nearby tree or tall plants will drop debris, requiring the panel to be cleaned more frequently.)

① Cover your panel before set up
Before the setup, please cover your panel with an opaque cover such as a towel or blanket. Doing so will ensure that the panel does not begin charging. Stopping the connection to the panel from solar kit to your power station/battery (Make sure all wires are matched with the correct polarity. " + " for positive/ " - " for negative)

② Settle your applications in a cool place when charging
Charging your power station/battery with solar panels can generate a lot of heat,which enhances with proper ventilation. It will automatically stop the charging once your application's battery is full.

結電方法

注意

① 太陽能板的工作電壓不穩定，不必考慮保護，可直接連接。電源手機可正常充電。

② 當太陽能板的工作電壓大於電源的最大輸入電壓，太陽能板會自動保護，電源不會被損壞。

③ 當太陽能板的工作電壓小於電源的最小輸入電壓，太陽能板會自動保護，電源不會被損壞。

④ 太陽能板的工作電壓在電源的最大輸入電壓和最小輸入電壓之間，電源會正常工作。

■ 付属部品

■ 使用方法

- 太陽光が直接当たる場所に置くのは、日照時間が多い時間。
- 太陽光の最大効率を得るために、日に日射、時間を分析すること。
- 太陽光の最大効率を得るために、日射量を考慮して、太陽光パネルを傾斜して、調節すべきパネル。コネクタを正しく接続してください。コネクタを間違えて接続まるまで「閉じてください。
- ケーブルを接続する前に、コネクタを正しく接続されていることを確認してください。
- 太陽光パネルは、ガラスで作られているため、ぶつけないで