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Jackery Inc.



## JACKERY INC.

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# Jackery

## USER MANUAL

Model: Explorer 240





red dot  
award 2016  
winner



## YOU GET THE POWER STATION, WHAT YOU SHOULD DO

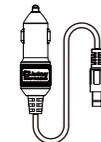
### Package List

Please kindly check all accessories are complete ( Car charger cable, AC & AC charger cable, User manual).

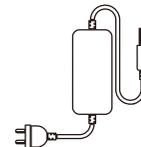
**If any charger cables missing, please feel free to contact us at: [hello@jackery.com](mailto:hello@jackery.com).**



Jackery Explorer 240



Car Charger Cable



AC & AC charger Cable(2 Parts)



User Manual

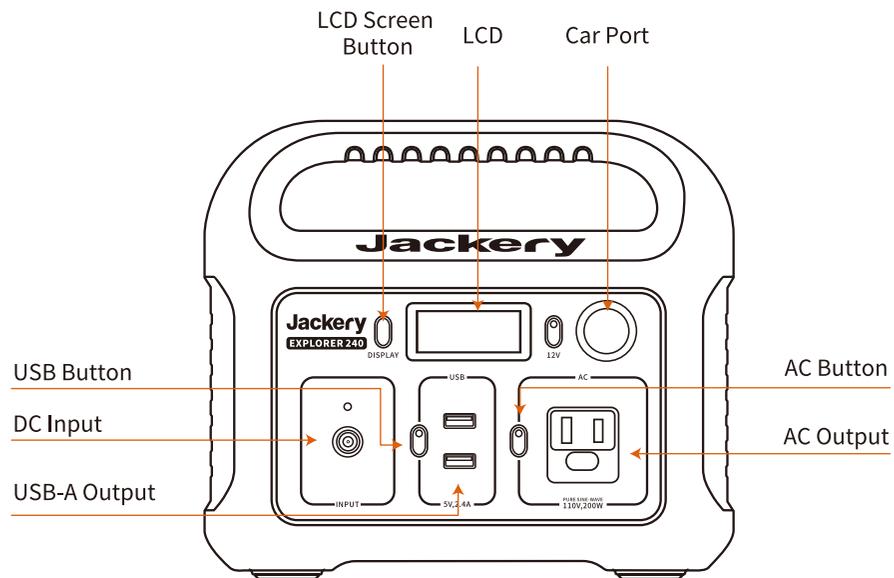
### Product Inspection

- Please kindly check if the one you get is the same as one you ordered.
- Please kindly check the appearance of the product first to see if there is damage or cracks.
- Please kindly test the power station to see if it can input or output well.

**\*Note: Charge first- before using your new Jackery Explorer 240, plug it into a suitable power outlet until it is fully charged.**

## PRODUCT INFO

### Pic of Input & Output Ports



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## Specifications

 <p><b>Capacity</b></p>	241Wh (16.8Ah/14.4V)	 <p><b>Weight</b></p>	3kg / 6.6lbs	 <p><b>Dimensions</b></p>	23 x 13.3 x 20cm 9.1 x 5.2 x 7.9in
 <p><b>DC Input</b></p>	19V=3.42A (Support 12-30V)	 <p><b>AC Output</b></p>	110V~60Hz, 1.82A 200W max continuous 400W surge peak	 <p><b>Car Port</b></p>	12V=10A
 <p><b>USB Output</b></p>	2 x USB-A Output: 5V=2.4A (24W max)	 <p><b>Battery</b></p>	Lithium-ion	 <p><b>Lifecycles</b></p>	≥ 500
 <p><b>Management System</b></p>	Under voltage Protection Over voltage Protection Over current in Charge/Discharge Protection Short Circuit in Charge/Discharge Protection Over temperature in Charge/Discharge Protection Overcharging Voltage Protection	 <p><b>MPPT</b></p>	Support Solar Panel MPPT Charging	 <p><b>Technical Support</b></p>	Lifetime
 <p><b>Certifications</b></p>	RoHS UN38.3 FC CE WARNING	 <p><b>Operating Temperature</b></p>	-10~40°C	 <p><b>Recharging Temperature</b></p>	0~40°C

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## HOW TO RECHARGE THE POWER STATION & RECHARGE TIMES

Before use or storage, plug your Explorer 240 into the wall until it is fully charged.

If the LCD screen shows less than 20% capacity, plug it into a power source, like an AC outlet or a solar panel, as soon as possible.

### Recharge Time

 Wall Charger	 Car Charger	 60W Solar Panels(Optional)	 Electric Generator
Around 5.5 Hours	Around 6.5 Hours	Around 7 Hours (Depending on Weather)	Around 5.5 Hours

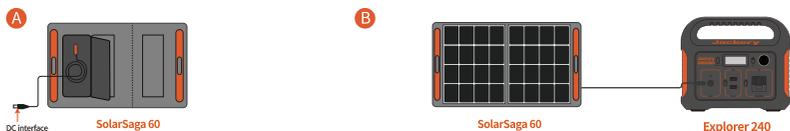
### How to Use the Saga 60W to Charge the E240

Jackery recommends Best Match: Use one Jackery SolarSaga 60W solar panels to charge the E240.

Solar recharging steps:

A. Find the DC interface on the back of SolarSaga 60W;

B. Connect the DC interface of SolarSaga 60W with the DC input of Explorer 240



### How to check the E240 is full charged?

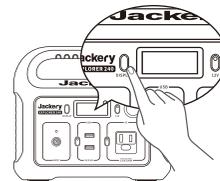
The display screen shows 100% when fully recharged.

## HOW TO USE THE POWER STATION?

### Start use the Explorer 240

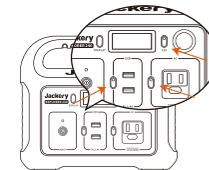
#### ⦿ Power

#### LCD Screen Button



Press the power button to check the remaining battery.

#### AC Button / DC 12V Button / USB Button



Turn off each output by pressing its power button, also turn off as it will not turn off automatically or it will drain the battery out.

**Note:** For power saving, Explorer 240 portable power station will be turned off automatically in 12 hours when being drawn under 10W power.

## ◎ LCD Screen

### Power Level Percentage

Check the battery level by pressing the display button before use. If battery is at a low level, charge first. LCD screen flickers around 10 times when the battery capacity drains to 20% to 10%.

### Power of Input Output (W)

Please ensure that power consumption is less than 200W, then press the power button. If the Jackery Explorer's total output exceeds 200W, it will shut off.

### Low & High Temperature Alarm

The E240 can power your devices at temperatures ranging from -10~40°C. If your working temperature is outside this range, the unit may stop working.

## ◎ Other

### How to reset the Explorer 240

Please try to hold the display power button for 8s to reset the battery.

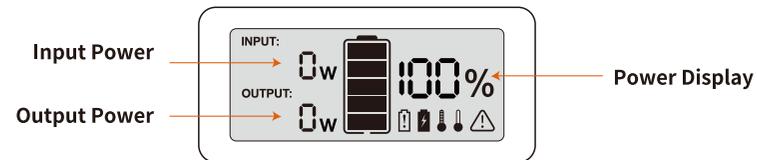
### When should we need to reset the power station?

When the power station can't work properly, you can choose to reset the battery to trouble shoot.

### Fan Operating Principle

E240 uses intelligent temperature control. When the AC is turned on, the fan does not turn on. Only when the temperature rises to a certain degree then the fan starts to turn on.

## ◎ Attention



If you operate the power station in improper way, there will be appearing symbols on LCD screen.



### Battery has been drain out

It shows that the battery has been drain out. Please kindly charge it to 100% and then use it.

A warning tip: It's suggested to recharge the battery before the power drops below 15%. Please don't drain out the battery.



### Battery was overcharged

It shows that the battery was overcharged. Please try to hold the display power button for 8s to reset the battery and try to charge to see.



### High Temperature



### Low Temperature

It shows that the battery is used in a high or low temperature. Please charge, use and store the E240 within a ambient temperature 0-40°C (32-104°F).



### Over-loaded

It shows that the power station is over-loaded, please kindly check the power of your device and hold the display power button for 8s to reset the battery and try to charge to see.

## GIVE YOUR APPLIANCES MORE RUN TIME

**Note:**The running time of the E240 for the following equipment are tested in the laboratory, which has strict controls on temperature, the working hours can also be affected by many other factors.The actual working time = 241Wh\* 0.85 / operating power of your device.

### Charging

					
	Drone (90W max)	Motion Camera (5W max)	12" Mac book (30W)	Smartphone (18W max)	32" TV (60W)
<b>RUN TIME</b>	About 4 Recharges	About 44 Recharges	About 3 Recharges	About 24 Recharges	About 3.5 Hours

#### For inductive load devices:

- **What is the inductive load device?**

Inductive Loads, also called Lagging Loads or Inductive Load Banks or Inductive Reactive Loads or Power Factor Loads, are AC loads that are predominantly inductive in nature so that the alternating current lags behind the alternating voltage when the current flows into the load.

- **The inductive load device has an instant start power when the it runs. Typically starting power is 3 times the amount of power to run the application.**

- **When you check if the E240 can run the device, please kindly check if there is an instant start power.**

## Troubleshooting

### Problem With Input (AC/DC)

#### When the power station has something wrong with input by using AC charger cable :

- Check if the charger cable and the power station are reliably connected; whether the charger indicator light is on.
- Check if the original charger is used.
- Whether the charging indicator of the power station power supply is on and whether the screen displays the charging power.
- Please try to use the provided car charging cable to charge to see.

This troubleshooting is also fit for DC input failure.

### Problem With Solar Charging

#### Using Jackery solar panel to charge the E240:

- Please kindly check if all connections are ok.
- Please use the provided AC charger to charge to see.
- Please use a soft cloth to remove the dust and dirt on the surface.
- Please test under midday strong sunlight. Connect the solar panel, make sure there is no shadow cast on the panel. You can unplug and plug for several times to see.

#### Using other brand solar panel to charge the E240:

- Please kindly check if all connections are ok.
- Please use the provided AC charger to charge to see.
- Please use a soft cloth to remove the dust and dirt on the surface.

• Please test under midday strong sunlight. Connect the solar panel, make sure there is no shadow cast on the panel. You can unplug and plug for several times to see.

If E240 can be recharged by AC charger well, it shows that there is nothing wrong with the E240 and please check if there is a problem with the solar panel.

### Problem with Output (AC/DC/USB)

When the power station has something wrong with AC/DC/USB Output, please try to hold the display power button for 8s to reset the battery and try to charge to see.

### Problem With LCD Screen

If the LCD screen can't work, or the shown input or output number is inaccurate, please try to hold the display power button for 8s to reset the battery and try to charge to see.

#### **Customer Support:**

If there are some problems with the power station, please feel free to contact us at [hello@jackery.com](mailto:hello@jackery.com). Please send the messages according to the template to move forward your issue faster.

[Amazon order number/ Web order number + issue + S/N code + Pictures / video if needed](#)

### Product Guidelines

- Please recharge it every 3-month to keep the battery power above 50% if you don't use it.
- It's suggested to recharge the battery before the power drops below 15%
- Only charge the E240 within a ambient temperature 0-40°C (32-104°F), discharge temperature is -10-40°C and Storage temperature is -20-45°C.
- Please keep the battery laid flat during use, charging, and store.

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### FAQ

#### **Q1: What devices can Explorer 240 power?**

**A:** Please note that the AC output port can only charge/power devices that operate at less than total 200 Watt.

#### **Q2: Can the Explorer 240 be charged while using?**

**A:** Yes, Explorer 240 supports pass-through charging. But we don't suggest, it will cause damage to battery life.

#### **Q3: Can the E240 be used as UPS?**

**A:** No, the E240 can't be used as UPS, need to press the power button to turn on the AC/USB /DC output, so it can't turn on and off automatically.

#### **Q4: How to know the working times for my device?**

**A:** Working time = 241Wh \* 0.85 / operating power of your device.

#### **Q5: Does Explorer 240 include a built-in MPPT controller?**

**A:** All Jackery power stations have a built-in MPPT controller.

#### **Q6: How do I know the E240 is charged?**

**A:** To check the charge level of the Explorer 240, refer to the LCD Battery Display.

#### **Q7: Can I keep this charged up by keeping it plugged in all the time in case of power outage?**

**A:** Yes, you can keep the battery plugged in to charge. Keeping it plugged in won't cause damage to the battery.

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**Q8: Can I use it indoors?**

A: Yes, the E240 is safe to use indoors.

**Q9: Why it takes so long to charge the power station from 99%to 100%?**

A: When the power station is charged at a low power (constant current stage), the charging power is the largest.

With the increase of the power, the internal battery pack voltage of the energy storage gradually increases to the charging limit voltage and then enters the constant current stage (the charging power gradually decreases to full). In the later stage of charging, the charging power gradually decreases. Please kindly take a long time to charge to 100%.

**Q10: Can I find any video about recharging the E240?**

A: Please kindly check the video in the following instructions:

1. Go to [jackery.com](http://jackery.com)
2. Click the "Support ", and then choose "FAQ "
3. Check "Product Video ".

**Q11:Are the output ports regulated, and if so, which ones are regulated?**

A: All output ports of Jackery power stations are regulated. The voltage won't change when the battery power decreases.

**Q12: Can the battery inside be replaceable?**

A: No, the batteries inside of Jackery power station can't be replaceable.

**More questions, please kindly find the answer in the following way:**

- 1.Go to [jackery.com](http://jackery.com)**
- 2.Click the "Support", and then choose "FAQ"**

## WARRANTY

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**Note: We only provide the warranty for the buyer who purchased on Amazon (Jackery Inc) or Jackery website.**

**Limited Warranty**

Jackery Inc. warrants to the original consumer purchaser that the Jackery product will be free from defects in workmanship and material under normal consumer use during the applicable warranty period identified in the 'Warranty Period' section below, subject to the exclusions set forth below.

This warranty statement sets forth Jackery's total and exclusive warranty obligation. We will not assume, nor authorize any person to assume for us, any other liability in connection with the sale of our products.

**Warranty Period**

The warranty period for Jackery power products is 24 months. In each case, the warranty period is measured starting on the date of purchase by the original consumer purchaser. The sales receipt from the first consumer purchase, or other reasonable documentary proof, is required in order to establish the start date of the warranty period.

**Exchange**

Jackery will replace (at Jackery's expense) any Jackery product that fails to operate during the applicable warranty period due to defect in workmanship or material. A replacement product assumes the remaining warranty of the original product.

**Limited to Original Consumer Buyer**

The warranty on Jackery's product is limited to the original consumer purchaser and is not transferable to any subsequent owner.

### Exclusions

Jackery's warranty does not apply to:

- Misused, abused, modified, damaged by accident, or used for anything other than normal consumer use as authorized in Jackery's current product literature.
- Attempted repair by anyone other than an authorized facility
- Any product purchased through an online auction house.
- Jackery's warranty does not apply to the battery cell unless the battery cell is fully charged by you within seven days after you purchase the product and at least once every 3 months thereafter.

### Customer Support : [hello@jackery.com](mailto:hello@jackery.com)

To obtain warranty service, contact our customer service team at [hello@jackery.com](mailto:hello@jackery.com).

### How to Register the Item and Get the Warranty?

- Go to [jackery.com](http://jackery.com)
- Click the "Support", and then choose "Register Product"
- Fill in the information form, and then submit
- You will get a 36 month warranty in total when you finished

## CUSTOMER SUPPORT: [hello@jackery.com](mailto:hello@jackery.com)



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



[hello@jackery.com](mailto:hello@jackery.com)



1-888-502-2236  
Mon-Fri 9:00AM - 6:00PM (PST)



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[hello@jackery.com](mailto:hello@jackery.com)

Please kindly contact us at [hello@jackery.com](mailto:hello@jackery.com) in the follow way:

- Go to [jackery.com](http://jackery.com)
- Click the "Contact ", and then choose Support Email: [hello@jackery.com](mailto:hello@jackery.com)
- Please send the messages according to the template to move forward your issue faster.

## WARRANTY

### Contact Info

Email address		Buyer Name	
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### Order Details

Order ID	
----------	--

Serial Number	
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Issue Details	
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Upload proof of purchase & photos of the device itself with Jackery logo showing(Max 10MB)

[hello@jackery.com](mailto:hello@jackery.com)

# Jackery Story

A pioneer in the portable power industry, Jackery innovation improves mobile living and outdoor life. Now you have the energy and power to go where you want to be.

## About Jackery

Jackery was founded by a former Apple battery engineer in Silicon Valley in 2012. With state-of-the-art R&D and manufacturing expertise, Jackery launched the world's first Lithium Portable Power Station in 2015. With constant works on innovating, Jackery released the SolarSaga series solar panel in 2018, to capture solar energy and harness the power of the sun.

Jackery is committed to providing outdoor green power solutions. In 2020, Jackery Solar Generator was unveiled in the market. Designed with outdoor enthusiasts in mind, the clean and quiet solar generator allows the explorers to enjoy an endless supply of power for extended time outdoors.

As an industry leader in eco-friendly portable power, the Jackery Solar Generator products align with Jackery's mission of developing green energy solutions that power outdoor life experiences as well the commitment to a sustainable future.



# Jackery | SOLAR GENERATOR POWER OUTDOORS



## Jackery Explorer Series

Jackery SOLAR GENERATOR

Rechargeable portable power supply with outlet. Power for whatever you do, wherever you go.

### Jackery Explorer 160-Entry Mini



Capacity	11.6Ah / 14.4V (167Wh)
Size & Weight	7.4 x 4.6 x 6.7in & 3.9lbs (1.8kg)
Input	DC Input: 12V===3.5A(Support 12-30V)
Output	AC Output: 110V~ 60Hz, 0.9A 100W max continuous, 150W surge peak DC Output: 12V===7A 2 x USB-A Output: 5V===2.4A USB-C Output: 5V===3A(30W max)
Certifications	FC RoHS UN38.3 Ⓢ ⚠ WARNING

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## Jackery Explorer 300-Entry Plus Level



Capacity 20.4Ah/14.4V (293.8Wh)

Size & Weight 9.1 x 5.2 x 7.8in & 7.1lbs (3.2kg)

Input  
 DC Input: Wall Charger: 24V $\equiv$ 3.75A  
 Car Charger: 13.6 $\pm$ 1V $\equiv$ 6.6 $\pm$ 0.6A  
 Solar Panels: 12.6-22V $\equiv$ 3-7A  
 USB-C PD Input: 20V $\equiv$ 3A  
 (DC Input+USB-C PD Input:  
 24V $\equiv$ 3.75A+20V $\equiv$ 3A)

Output  
 2 x 110V~ 60Hz, 2.72A  
 300W max continuous, 500W surge peak  
 USB-A Output: 5V $\equiv$ 2.4A  
 USB-C PD Output : 5V $\equiv$ 3A, 9V $\equiv$ 3A,  
 15V $\equiv$ 3A, 20V $\equiv$ 3A  
 Qualcomm® Quick Charge™ 3.0 Output:  
 5-6.5V $\equiv$ 3A, 6.5-9V $\equiv$ 2A, 9-12V $\equiv$ 1.5A  
 Car Port: 12V $\equiv$ 10A

Certifications **FC RoHS UN38.3**  **WARNING**  Qualcomm Quick Charge 3.0



## Jackery Explorer 500-Classic Level



Capacity	24Ah / 21.6V (518.4Wh)
Size & Weight	11.8 x 7.6 x 9.5in & 13.3lbs (6kg)
Input	DC Input: 24V===3.75A(Support 12-30V)
Output	AC Output:110V~ 60Hz, 4.54A 500W max continuous, 1000W surge peak 2 x DC Output:12V===7A Car Port:12V===10A (2 x DC Output+Car Port:Total 120W) 3 x USB-A Output: 5V===2.4A(Total 30W max)
Certifications	FC RoHS UN38.3 Ⓢ ⚠️WARNING

## Jackery Explorer 1000-Pro Level



Capacity	46.4Ah / 21.6V (1002Wh)
Size & Weight	13.1 x 9.2 x 11.1in & 22.04lbs (10kg)
Input	DC Input: 24V==7.5A(Support 12-30V)
Output	3 x AC Output: 110V~ 60Hz, 9.09A 1000W max continuous, 2000W surge peak USB-A Output: 5V==2.4A Car Port: 12V==10A 2 x USB-C PD Output: 5V==3A, 9V==2A, 12V==1.5A Qualcomm® Quick Charge™ 3.0 Output: 5-6.5V==3A, 6.5-9V==2A, 9-12V==1.5A
Certifications	FC RoHS UN38.3 ⚠️ WARNING 🔋 Qualcomm Quick Charge 3.0





## Jackery Explorer 1500



Capacity	41.34Ah / 36V (1488.2Wh)
Size & Weight	14 x 10.4 x 12.7in & 33lbs (15kg)
Input	2 x DC Input: 48V==6.25A (Support 12-51V, double to 600W max)
Output	3 x AC Output: 110V~ 60Hz, 16.4A 1800W max continuous, 3600W surge peak USB-A Output: 5V==2.4A Car Port: 12V==10A USB-C PD Output: 5V==3A, 9V==3A, 12V==3A, 15V==3A, 20V==3A Qualcomm® Quick Charge™ 3.0 Output: 5-6.5V==3A, 6.5-9V==2A, 9-12V==1.5A
Certifications	FC RoHS UN38.3 ⚠️ WARNING ⚡️

# Find the Right Solar Generator for You

SolarSaga	Recharging Time	Explorer	Car Fridge (60W)	12" Laptop (30W)	CPAP	Smartphone (18W max)	Drone (90W max)
	<b>5</b> Hours	 E160 (Entry Mini)	/	<b>2</b> Charges	/	<b>16</b> charges	<b>3</b> Charges
	<b>7</b> Hours	 E240 (Entry Level)	/	<b>3</b> Charges	/	<b>24</b> charges	<b>4</b> Charges
	<b>5.5</b> Hours	 E300 (Entry Plus Level)	/	<b>4</b> Charges	/	<b>30</b> charges	<b>5.8</b> Charges
	<b>9</b> Hours	 E500 (Classic Level)	<b>37</b> Hours	<b>7</b> Charges	<b>13~40</b> Hours	<b>53</b> charges	<b>9</b> Charges
	<b>8</b> Hours	 E1000 (Pro Level)	<b>66</b> Hours	<b>12.5</b> Charges	<b>17~76</b> Hours	<b>100</b> charges	<b>20</b> Charges
	<b>9.5</b> Hours	 E1500	<b>90</b> Hours	<b>16</b> Charges	<b>23~105</b> Hours	<b>136</b> charges	<b>27</b> Charges

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# Jackery

SOLAR GENERATOR



SOLAR PANEL



PORTABLE POWER STATION



### Portable Solar Panels Off the grid Power

Jackery portable solar panels can be folded and strapped for easy carry and use. With one of the highest 23.7% efficiency in the industry, you can make the most use of the sun and convert the sunlight into clean energy. By teaming up with the Jackery rechargeable portable power stations, solar power can be stored in lithium power station and keep all your gear charged. It can be a solar generator system for backup power and off-grid power.



## SolarSaga 60

OUTPUT: 68W/22V

Peak Power	68 W
Power Voltage	22V
Power Current	3.09A
Open Circuit Voltage	26.4V
Short Circuit Current	3.36A
USB-A Output	5V==2.4A
USB-C Output	5V==3A
Dimensions (unfolded)	855 x 535 x 20mm
Dimensions (folded)	535 x 425 x 35mm





## SolarSaga 100

OUTPUT: 100W/18V

Peak Power	100 W
Power Voltage	18V
Power Current	5.55A
Open Circuit Voltage	21.6V
Short Circuit Current	6.1A
USB-A Output	5V==2.4A
USB-C Output	5V==3A
Dimensions (unfolded)	1220 x 535 x 20mm
Dimensions (folded)	610 x 535 x 35mm