



# SPB-24 SOLAR WIRELESS POWERBANK MANUAL

ENGLISH

## 24000mAh IP67 Waterproof Solar Wireless POWERBANK with Type-C & QC3.0

### Specifications:

Capacity	24000mAh
Solar Panel	5V-300mA
Micro USB Input	5V 2A 9V 2A 12V 1.5A
Type-C Input PD	5V 2A 9V 2A 12V 1.5A
QC 3.0 Output	5V 3A 9V 2A 12V 1.5A
Output USB-A1	5V 3A 9V 2A 12V 1.5A Max
Output USB-A2	5V 3A 9V 2A 12V 1.5A Max
Type-C Output PD	5V 2.4A 9V 2A 12V 1.5A
Wireless Output	5W / 7.5W / 10W
Size	180*89*30mm
Product net weight	553(g)
Battery type	Li-polymer
Operation temperature	0~45°C
Flashlight	1W*1

**POWERBANK fully charged time: via Type-C port 11~12 hrs; via Micro 14~15 hrs; via Type-C & Micro 7~8 hrs.**

### Note:

- The full charging time is only for your reference, please refer to actual operation.
- Due to the exchange rate of POWERBANK, the actual capacity is not equal to chargeable capacity.
- Specification and external form of this POWERBANK may change anytime due to product improvement and upgrade.
- High quality guarantee, using A-grade Li-polymer battery cell for this POWERBANK, please be assured use.
- Please use the matched charging cable according to your mobile phone and digital product.
- It will cause slight heating due to electric consumption when charging and discharging, this is normal.
- Please store this POWERBANK in a cool and dry place, if do not use for a long period, please fully charge this POWERBANK at every 6 months interval.
- Please find our suggestion to choosing regular 5V-2A charger to charge this solar charger, in order to ensure the stability of this product usage.

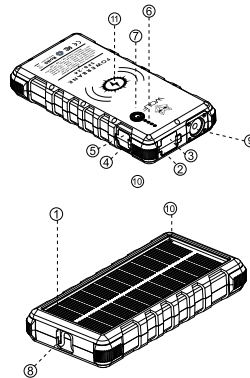
- Please do not put together this POWERBANK with metal or tool items, in order to avoid scratching surface or damage.
- Don't leave this item out in your car to charge. A cars dashboard will become very hot from the sun and would ruin the internal battery.

### Applicable Devices:

Output Connector	Output Current	Applicable Devices
USB / Type-C	Type-C output: 5V 3A USB output: 5V 3A	Samsung Sony Nokia HTC and any other brand smart phones, and iPhone... iPad... iPod series Apple devices or devices that need 5V 0.5-1A input

### Accessory List:

SPB-24 SOLAR POWERBANK, Micro USB Cable, User Manual, Carabiner, Wolf 4 in 1 Cable & Tech Case.



### Product Diagrams

- Monocrystalline Solar Panel
- QC 3.0 Output
- USB Output Port A
- Micro USB Input Port
- Type - C port
- LED Indicators
- Power Switch
- Carabiner hole
- LED Flashlight
- Solar charging indicator
- Wireless charging

### Operating Instructions

To collect and store solar power to the Solar Charger's internal battery:

- Place the Solar Charger in direct sunlight: make sure the embedded solar panel is positioned towards the sun.
- LED indicator light glow solid green while charging by the sunlight.

**Note:** The solar panel is designed for emergency charging. It should not be the primary source of charging. Prolonged exposure under the burning sun will cause damage to the solar panel.

### Charging the Solar Charger from an external power source:

- Plug in the included USB cable to a power source such as an AC power adapter or any other USB power source (i.e. Computer).
- The POWERBANK will shut off in about 30 seconds when no device is connected.
- Battery's charging status is indicated by 4 LED light indicators in the following manner:

Charging Status/LED indicators	0% ~25%	25% ~50%	50% ~75%	75% ~99%	100%
1st LED Indicator	Flashing Blue	Solid Blue	Solid Blue	Solid Blue	Solid Blue
2nd LED Indicator	OFF	Flashing Blue	Solid Blue	Solid Blue	Solid Blue
3rd LED Indicator	OFF	OFF	Flashing Blue	Solid Blue	Solid Blue
4th LED Indicator	OFF	OFF	OFF	Flashing Blue	Solid Blue

## NOTE:

- POWERBANK can charge 2 devices simultaneously by QC output and USB output, except Type-C.
- POWERBANK can be charged by Type-C and input at the same time.

## Charging other devices:

Press the power button to turn the charger on.

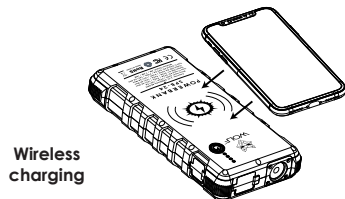
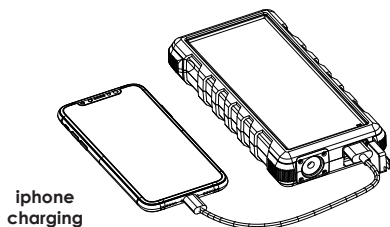
- Use the original cable that came with your device. Connect the USB-A/Type-C end to one of the USB ports on the POWERBANK, the device will start charging.

**Note:** When the Solar Charger is in use and the capacity is less than 2%, the Solar Charger will automatically shut off to avoid over discharge of the battery.

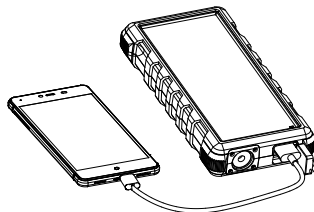
For charging POWERBANK, it doesn't support charging and discharging at the same time, Micro and Type-C cannot charge devices at the same time. You can charge the device by USB-A and QC 3.0, but cannot charge the device by USB-A and Type-C/QC 3.0 and Type-C.

## Operating the Emergency LED Flashlight:

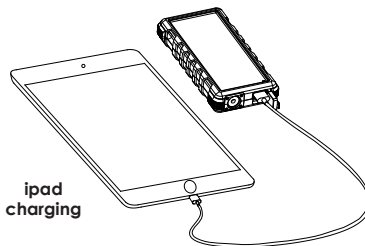
- To turn on the Emergency LED flashlight: Press the power button 3 seconds for emergency torch.
- Press again shift to caution light
- Press once again shift to SOS
- Long press the button to turn off LED light



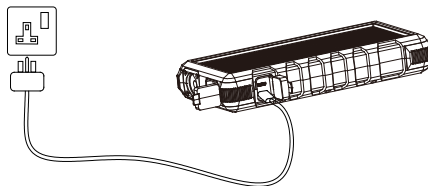
## Charging other devices:



**Samsung GALAXY Series charging**  
(Note: some models of Samsung need to use external connector)



## Charging the POWERBANK from an external power source



**DC 5V/2A Adaptor Connect AC (100-220V)  
Micro USB cable**  
Please use Micro USB cable to charge this POWERBANK

## Troubleshooting:

If the following notes do not help please stop using this product and contact distributor or service centre.

When Charging		
Problem	Reason	Operation
Charging indicators are not very bright.	Using improper adapter to charge.	Please use advised adapter by original factory.
	Poor contact for Micro USB input port/ USB output port.	Please re-detect whether Micro USB input port or USB output port has good contact.
	Using improper USB charging cable.	Please use original data charge cable.

When Using		
Problem	Reason	Operation
Indicators still on after disconnecting adapter or load equipment.	This is normal, it takes some buffer time for indicators to turn off.	It will turn off automatically after 15 seconds.
Short using time.	Battery life will end.	If there is still no power after charging the battery life has ended.

## WARNING

- **DO NOT** place this POWERBANK in sunlight when the 4th LED indicator is on.
- **DO NOT** attempt to open or dismantle the Solar Charger.
- **DO NOT** subject the Solar Charger any violent shock.
- **DO NOT** subject the Solar Charger to naked flames or extreme heat.
- **DO NOT** stand on or otherwise apply pressure to the Solar Charger.
- **DO NOT** allow children to play with the Solar Charger.
- Whilst the device will charge in high temperatures please ensure the device never sits in direct sunlight for a prolonged period of time as the charger has a maximum temperature of 45°C (113°F).
- Stop using this solar charger if it expands or breaks down, and contact your distributor.

