

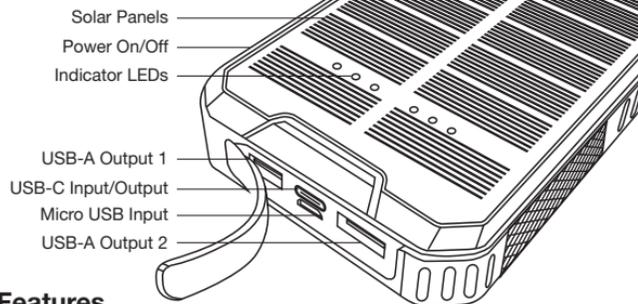


Model: SWP20
20,000mAh Solar Power Bank



User Manual v1.1

Power Bank Layout



Features

- Battery type: Lithium-Polymer
- 20,000mAh provides 720% extra battery for a smartphone*
- Get an extra 50 hours of streaming video playback on an iPhone 12 or 40 hours on a Samsung Galaxy S20
- Solar panels for charging the power bank directly from sunlight
- Rain and splash resistant to IP45 rating
- Powerful LED torch for emergencies
- Four LED indicators to show remaining capacity
- Rechargeable more than 500 times
- Includes 30cm USB-A to USB-C cable to charge power bank
- Built-in over charging and short circuit protection
- Watt Hour Rating: 74Wh
- USB-C Input: DC 5V/3A 9V/2A 12V/1.5A
- Micro USB Input: DC 5V/2A 9V/2A 12V/1.5A
- USB-C Output: DC 5V/3A 9V/2A 12V/2.5A
- USB-A 1 & 2 Output: QC 3.0 DC 5V/3A 9V/2A 12V/1.5A
- Total Output: 18W
- Charging Time: Approx. 4 hours when using an 18W charger
- Size: 177mm (L) x 86mm (W) x 25.5mm (H)
- Weight: 495g
- Certifications: RCM, RoHS, UN38.3

Charging the Power Bank

- Using the included USB-A to USB-C cable connect the Input/Output port on the power bank to a wall charger
- During charging the no. 1 to 4 blue LEDs will flash to show charging status
- If your wall charger supports QC 3.0 or USB-C PD fast charging, the no. 5 LED will be lit green
- When charging is complete the blue LEDs will remain on
- The power bank can also be charged directly from sunlight, if their is sufficient sunlight, the no. 6 LED will be lit red
- The solar charging feature is designed for emergency use and chargers slowly at a rate of approx. 1000mAh per 5 hours

Charging a Phone or USB Device

- Using your phone or device's charging cable, connect your phone or device to either the USB-C Input/Output port and/or the USB-A 1 or 2 Output ports on the power bank
- If your phone supports fast charging, the no. 5 LED will be green

Using the LED Torch Light

- Press and hold the On/Off button for 3 seconds to turn on the LED light. Repeat to turn off the LED light

LED Indicator Status

- Press On/Off button and LEDs will show remaining capacity
- The LEDs will turn off automatically after about 30 seconds

LED ● On / ○ Off / ● Flashing	Remaining Capacity
○ ○ ○ ○ ○ ○	Less than 5%
● ○ ○ ○ ○ ○	5% to 25%
● ● ○ ○ ○ ○	25% to 50%
● ● ● ○ ○ ○	50% to 75%
● ● ● ● ○ ○	75% to 100%
○ ○ ○ ○ ● ○	Fast Charging
○ ○ ○ ○ ○ ●	Solar Charging

CAUTION

- Do not drop, misuse or apply excessive force to your power bank. Power banks contain batteries and a circuit board with fragile components that can be damaged if misused. If you drop or damage your power bank, discontinue use immediately.
- If crushed, punctured, exposed to fire or high temperatures or disassembled, batteries may catch fire, explode or cause burns.
- If your power bank swells or bulges, stop use immediately and dispose of the power bank in an appropriate manner. Continued use may cause the power bank to catch fire or explode.
- Do not charge the power bank and your device at the same time. It may cause the power bank to overheat.
- Store power bank in a cool and dry place. Do not store in hot or humid environments. Eg. In a car or directly in the sun.
- Power bank usage by children should be supervised.
- Do not put your power bank in a handbag, backpack or other bag where small metal objects can cause a short circuit.
- Do not dispose of power bank in heat or fire.
- All Comsol power banks have safety power cut off features to stop overcharging & overheating. However, we recommend disconnecting the power bank once it is fully charged and removing all cables.
- When charging a device, the power bank may feel warm, this is a normal operating condition & should not be cause for concern.
- In normal conditions, battery performance will decline over several years.
- Operating temperature should be between 10°C to 45°C.

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* 720% is based on an iPhone 8 with battery capacity of 1821mAh



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