

TECHNICAL DATA SHEET

EW-35 Powerbank

1. Description

Application Scope

This product is a fast-charging intelligent portable power bank with wireless charging function. It has a built-in certified constant voltage and constant current fast charging/discharging chip, integrating QC, AFC, FCP, PE, PD protocols, compatible with USB BC1.2 charging standard, as well as proprietary protocols of brands such as Apple and Samsung. It supports a maximum wired output of 20W and a maximum wireless charging output of 10W, and can be universally used for fast charging of mobile phones and portable digital electronic products.

Definition of Output Functions

Power On

In standby mode, short press the power button or directly connect a load to display the current battery level percentage and turn on the output. If there is no load for approximately 35 seconds, the nixie tube turns off and the product enters low-power standby mode.

Charging

For Micro/Type-C input: The nixie tube displays 188% and the green lightning icon light up briefly, then the units digit of the current battery level flashes. When the input is fast charging, the green lightning icon lights up, supporting a maximum input of 20W. When fully charged: 100% remains on steadily.

Discharging

When a load is connected to the USB-A interface: The power bank automatically turns on the output. The maximum single-port load power is 18W (5V/3A, 9V/2A, 12V/1.5A). The green lightning icon lights up to indicate fast charging

When a load is connected to the Type-C interface: The power bank automatically turns on the output. The maximum single-port load power is 20W (5V/2.4A, 9V/2.22A, 12V/1.67A). The green lightning icon lights up to indicate fast charging output (9V or 12V). For wireless charging output: Single press the button to activate the wireless charging stand by mode. Place a Qi-enabled wireless charging mobile phone at the center of the cross mark on the fabric surface to start wireless charging. The green lightning icon lights up to indicate the 7.5W/10W working state. When two loads work simultaneously: The output will switch to 5V with a maximum output of 5V/3A, and the wireless charging will also reduce to 5W. When only one output port has a load, if the load supports fast charging, the product will automatically resume fast charging with a maximum output power of 20W, and the corresponding fast-charging green lightning icon will light up.

Discharging battery level indication:

The remaining battery level percentage remains on steadily; the green lightning icon lights up in fast charging state.

Power Off

Double press the button to turn off the output.

2. Technical Data

Product Parameters

Input: Micro 5V/2A 9V/2A 12V/1.5A
 Input Type-C: 5V/2.4A 9V/2.22A 12V/1.67A
 Output Type-C: 5V/2.4A 9V/2.22A 12V/1.67A
 Output USB-A: 5V/3A 9V/2A 12V/1.5A
 Wireless TX: 5W/7.5W/10W
 Multiple ports charging simultaneous output (Max): 5V/3A
 Max Output: 20W
 Charging Time: 3H-3.5H
 Capacity: 10000mAh/3.7V
 Net Weight: 210g

Indication Status

Charging, Battery level: 0%-99%
 Indicator Status: The units digit of the current battery level flashes

Charging, Battery level: 100%
 Indicator Status: Steady on

Discharging: 100%-1%
 Indicator Status: Current battery level remains on steadily

Discharging <1%
 Indicator Status: Flashing (low battery reminder)

Discharging <0%
 Indicator Status: Off

Operation Instructions

Power On
 Single press the button or directly connect a load to activate the system. The battery level indicator turns on simultaneously, and the portable power bank can discharge externally.

Power Off

In the power-on state, short press the power button twice to turn off the output and enter hibernation.

Automatic Hibernation

In standby mode, short press the power button to turn on the battery level display. If no load is connected within 35 seconds, the product enters hibernation.

Safety Protection

System-level Voltage/Current Protection
 Overcharge voltage protection and undercharge voltage protection: When the charging voltage of the portable power bank exceeds or is lower than a certain threshold, EW35 stops charging the battery to ensure the entire system is not affected by abnormal voltage, and automatically resumes charging when the charging voltage returns to the normal range.
 Under-discharge voltage protection: When the battery voltage is lower than the under voltage protection value, EW35 turns off the output to prevent over-discharging of the battery.
 Output over current and short-circuit protection: Enters shutdown protection state when discharging over current or short-circuit occurs.
 Battery temperature protection: Turns off the output when the battery temperature is higher than the charging/discharging protection temperature, and resumes until the temperature drops below the temperature protection recovery threshold.

Hardware-only Protection

EW35 has independent, hardware-only protection for the battery, providing safer and more reliable protection against abnormal conditions such as overcharging, over discharging, overcurrent and short circuit of the battery.

Operating temperature: -10 ~ +40°C

Storage temperature: -20 ~ +45°C

Relative humidity: 40% ~ 80%

Atmospheric pressure: 86 ~ 106Kpa

Heat dissipation method:

Natural ventilation

Safety:

Designed to comply with CE safety requirements

Electromagnetic Compatibility:

Designed to comply with FCC, EMC requirements.

Environmental Protection:

Complies with

Do not immerse the product in water or other liquids to prevent water ingress;

Do not touch the AC adapter with wet hands; ensure the adapter is safe and intact;

Do not allow dust to accumulate on the product or the AC adapter;

Do not use the product in environments where the temperature is outside the range of -20°C and +60°C;

4. Producer**Manufacturer:**

SHENZHEN ELOOP TECHNOLOGY CO.,LTD

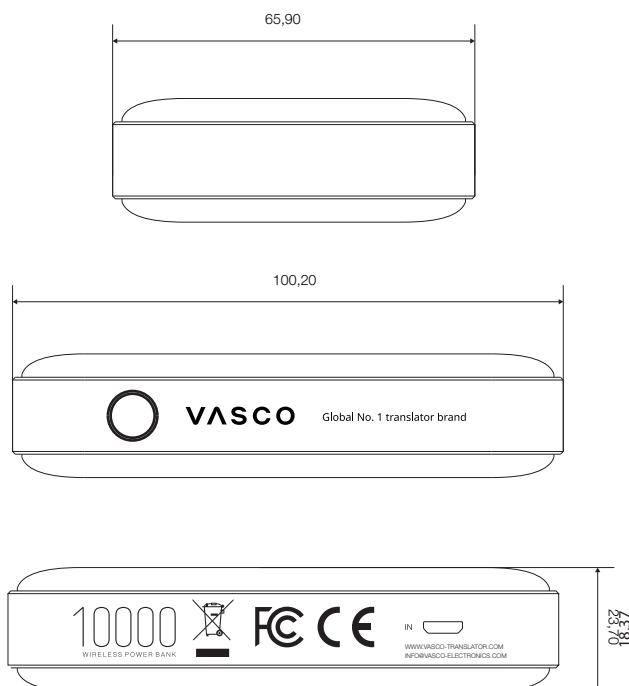
Address :

7F,Building E, Ming Jinhai Industrial Area, Gushu, Xixiang Town, Bao'an District,

Importer:

Vasco Electronics S.A.

Al. 29-Listopada,
31-401 Krakow, Poland

3. Dimensions**5. Notes**

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