



DOCUMENT NO:

CDS- L62041-00XXXX

VER:

1.0

Sandwave Power Supply

EFFECTIVE DATE:  
07/25/2023

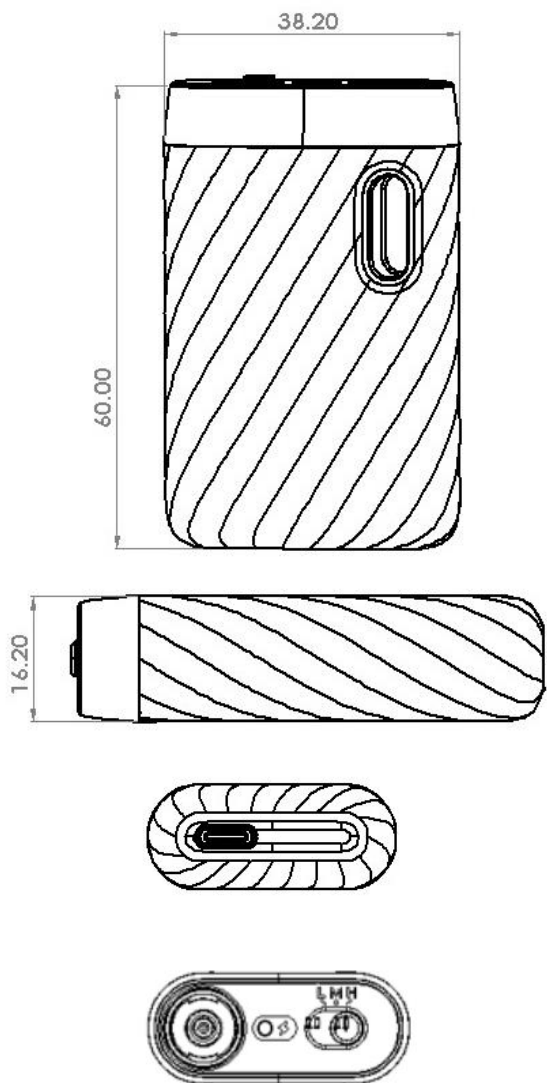
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\*Dimensions are in mm


Output Voltage with 1.4Ω load	Setting 1: 2.8Vrms Setting 2: 3.2Vrms Setting 3: 3.6Vrms
Max. Current Output	3A
Max Charging Current	500 mA
Activation Time	0 – 10 seconds (± 2s)

User Interface

Cartridge Attachment	Drop-in magnetic adapters for 510 compatible connection
Activation	Inhale-activated
Notification	LED
Charging type	USB type C
User Function Guide	See Annex A
Output Power Switch	See Annex A
Weight	29.3g

Electrical Specifications

Battery Cell Capacity 400mAh

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## Safety Features


<b>Short-circuit Protection</b>	When the resistance of loading is less than 0.4(±0.2) Ω, the power will cut off. The LED stays on 2 seconds then turn off.
<b>Over usage Protection</b>	When suctioning lasts for more than 10(±2) S, the power will cut off, and the LED flash two times then turn off. Other time durations available for custom order by request
<b>Li-ion Battery Cells</b>	Cells meet the requirements of the UN Manual of Tests and Criteria for Li-ion batteries; section 38.3. Jupiter power supplies are not required to be classified as Dangerous Goods when packaged properly for transport by sea, air, or ground due to their small capacity and containment within the device
<b>Cell Containment</b>	Cells are enclosed in Rigid Plastic housings to protect the battery cell from contact with external elements that may cause damage to the cell under normal usage conditions and transportation. Cells are not accessible to the user without permanent damage to the unit.
<b>Overcharge Protection</b>	Charging control is on-board, not contained in a separate charging adapter. The onboard controller shall permit the device to remain connected to power when fully charged without the risk of damage to the battery cell.

	It is recommended to not leave the batteries unattended while charging, and to not charge overnight. Be sure to remove batteries from chargers when fully charged.
<b>Operating Temperature and Humidity</b>	<ul style="list-style-type: none"> <li>○ Charging temperature 10 - 45°C</li> <li>○ Working temperature: 0 - 60°C</li> <li>○ Operating humidity range 35% - 70%</li> </ul>
<b>Storage Temperature and Humidity</b>	<ul style="list-style-type: none"> <li>○ Storage temperature 23±5°C</li> <li>○ Storage humidity range 35% - 70%</li> </ul>
<b>Certifications</b>	<ul style="list-style-type: none"> <li>○ RoHS</li> <li>○ CE</li> <li>○ FCC</li> </ul>

## Compatibility

The Sandwave by CCELLTM Power Supply uses a magnetic connector. Adapters for “510” connections are supplied making the Sandwave compatible with most cartridges designed for use with breath actuated power supplies.

*Although the term “510” is widely used in the vaping industry to designate a compatible connection, a published specification for a 510 threaded connection does not exist. Not all products that utilize a “510” connection are compatible with products from other manufacturers. While all these products utilize an M7 threaded connection, the similarity does not extend beyond the thread pattern. The depth of the electrical contacts, the air inlet locations, and other features may vary from manufacturer to manufacturer.*

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## Annex A – User Function Guide

- a. Actuation Indication
  - i. Status indication is provided to the user through an LED on the top of the device.
- b. Low battery indication
  - i. When voltage less than 3.3V, the power will cut off, and the white LED will flash 10 times then turn off.
- c. Charge Indication
  - i. Plug in specific charger, the charging current is about 500±50mA.
  - ii. LED indicator: When charging, the LED light breathes on, and when it is full, the LED light goes out.
  - iii. LED flash 3 times when remove the charger.
- d. Output voltage setting switch guidance
  - i. Press Flip the shift switch to switch gears.
  - ii. Setting level 1: the output voltage is 2.8 Vrms with white LED on
  - iii. Setting level 2: the output voltage is 3.2 Vrms with white LED on
  - iv. Setting level 3: the output voltage is 3.6 Vrms with white LED on
- e. Vaping Guidance
  - i. Install the cartridge into the battery and starts vaping, then the white LED will be on gradually and once stop vaping the LED will be off gradually.
  - ii. The power will cut off if vaping time is more than 10S, and the white LED will flash 2 times.
  - iii. During the suction process, switch the switch to switch the gear and output normally.