



DOCUMENT NO:

CDS – L62635-00XXXX

VER:

1.2

Liquid 6 Volt Power Supply

EFFECTIVE DATE:

04/20/2021

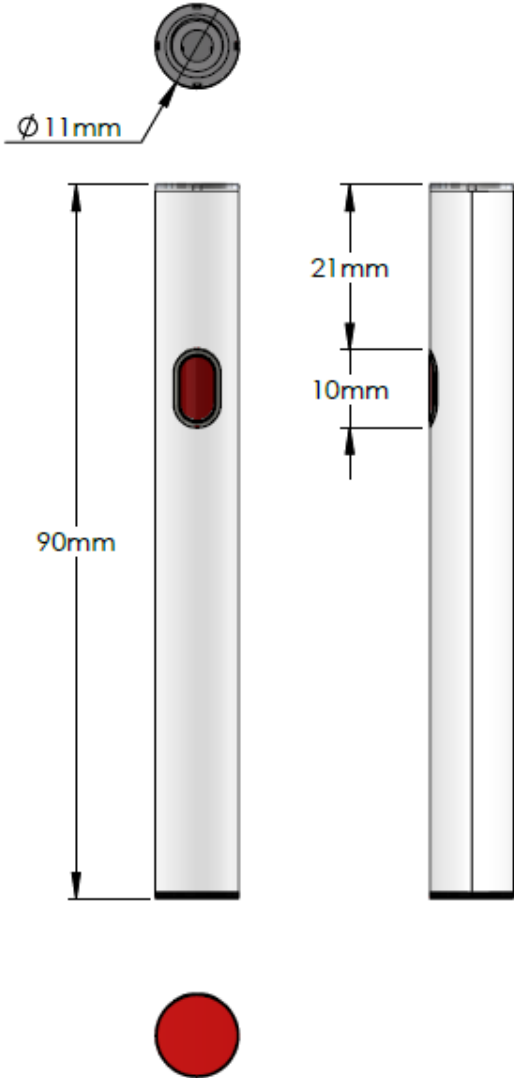
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ECO-198

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Electrical Specifications

Battery Cell Capacity	350 mAh
Nominal Power Output w/ std. 9W Jupiter cartridge	Varies by Power Mode: High = 9.0 Medium = 7.0 Low = 6.0
Max. Current Output	3.0 A
Charging Current	Maximum 500 mA
Activation Time	0 – 10 seconds <i>Other time durations available by request</i>

User Interface

Cartridge Attachment	510 threaded
Activation	Breath Actuated
Notification	LED
Low Battery Notification	Red LED flashes 10 times
Charging Indication	LED is on during charging, flashes 20X when fully charged, and flashes 3X when disconnected from power.


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	<p>Red LED breathing = low battery</p> <p>Yellow LED breathing = medium battery</p> <p>Green LED breathing = high battery</p> <p>Green LED continuously on = fully charged</p>
Variable power settings	<p>There are 3 levels of power available, each with a corresponding LED color.</p> <ol style="list-style-type: none"> 1. Blue LED = 6W 2. Yellow LED= 7W 3. Green LED=9W

Safety Features

Lock/Unlock	When desired the user can lock/unlock the device. When locked output power is disabled.
Short-circuit Protection	When load is $< 0.8 \pm 0.1\Omega$, device will not activate. White LED blinks 3 times. The device resets when breath activation is stopped.
Over usage Protection	When an activation exceeds 10 ± 2 seconds in duration, LED flashes 2 times and the device is deactivated. The device resets when breath activation ends.
Li-ion Battery Cells	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.
Cell Containment	Cells are enclosed in metal 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.
Overcharge Protection	<p>Charging control is on-board, not contained in a separate charging adapter. Simply connect the device to any active USB port with a threaded USB charger (provided). The onboard controller shall permit the device to remain connected to power when fully charged without the risk of damage to the battery cell.</p> <p>Recommended to not leave batteries unattended while charging, not to charge overnight and, to remove batteries from chargers when fully charged.</p>
Operating Temperature and Humidity	<ul style="list-style-type: none"> ○ Charging Temperature: 10 °C to 45°C ○ Working Temperature: -10°C to 60 °C ○ Operating humidity: 35% to 70%
Storage Temperature and Humidity	<ul style="list-style-type: none"> ○ Storage Temperature: $23 \pm 5^\circ\text{C}$ ○ Storage Humidity: 35% to 70%

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Compatibility

Jupiter’s Liquid 6 Volt power supply uses a “510” connection (screwed connection with M7 thread). It is 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 of 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.

	<p>corresponding light color will flash 3 times.</p> <ol style="list-style-type: none"> 1. Blue LED = 6W 2. Yellow LED= 7W 3. Green LED=9W
A.4 Vaping	<p>Activate the heating element by inhaling through mouthpiece. The corresponding LED color will gradually turn on, signaling power is activated, and will turn off once inhalation has stopped.</p> <p>Note: If the button is pressed during the vape process power output will stop.</p>

User Guide

Assembly and User Guide	Guide to setup and use of device.
A.1 Assembly	Screw cartridge atomizer into battery.
A.2 Lock/Unlock	<p>If device is locked, unlock device now. To unlock device fast press button 5 times, this will cause corresponding LED to illuminate for 2 seconds.</p> <p>Note: If white illuminates for ¼ of a second device is still locked.</p>
A.3 Power Selection	Choose desired power output. Press button 3x fast and continuously while in standby state, switch voltage output and the

Charging Battery	Guide to charging device.
B.1 Connect	Thread charger into M7 thread of power supply and connect USB to active USB port.
B.2 Charging	<p>Determining battery power level.</p> <p>If:</p> <ul style="list-style-type: none"> • Red LED pulsing during charge <= 1/3 battery. • Yellow LED pulsing during charge = between (1/3-2/3) battery. • Green LED pulsing during charge >= 2/3 battery. • Green LED continuously on when battery is fully charged.