

Gopod Group Ltd.

1. General

This specification defines the performance characteristic of an DC/DC Car charger.
Car charger must comply with all the requirements of the specifications and drawing herein.

2. Electrical Performance and Tests

2.1 Input

Rated input voltage: Vdc 12V
Frequency: N/A
Current: 2500mAmax@ 12Vdc
Standby power: < 0.1W
Rating input load power: 27Wmax.
Starting time: < 1S@ 12Vdc Io = 100% load

2.2 Output

Voltage: 5.0V \pm 5%
Current: Smart 4.8A max. for Iusb1+ Iusb2.
Ripple & noise: 120mV_{P-P}max @ full load
Note: 20MHz bandwidth ripple & noise is measured by using 0.1uF C.C. & 10uF E.C.
bypassed at the output connector.

2.3 Short circuit protection

No damage to this power supply when output shorted to ground. When the short-circuited is removed, the adapter shall promptly recover its normal operation.

3. Mechanical Tests and Requirements

3.1 Drop test

Drop height: 1.0m above 50mm hardwood.
Method: Total 6 times. Drop one time for each of the 6 case surfaces.
Expected result: After drop test, the unit should still operate properly. Small nick or slight deformation may be accepted.

4. Environmental Conditions

4.1 Operating temperature

0°C ~ +40°C

4.2 Storage temperature

-20°C ~ +60°C

4.3 Humidity

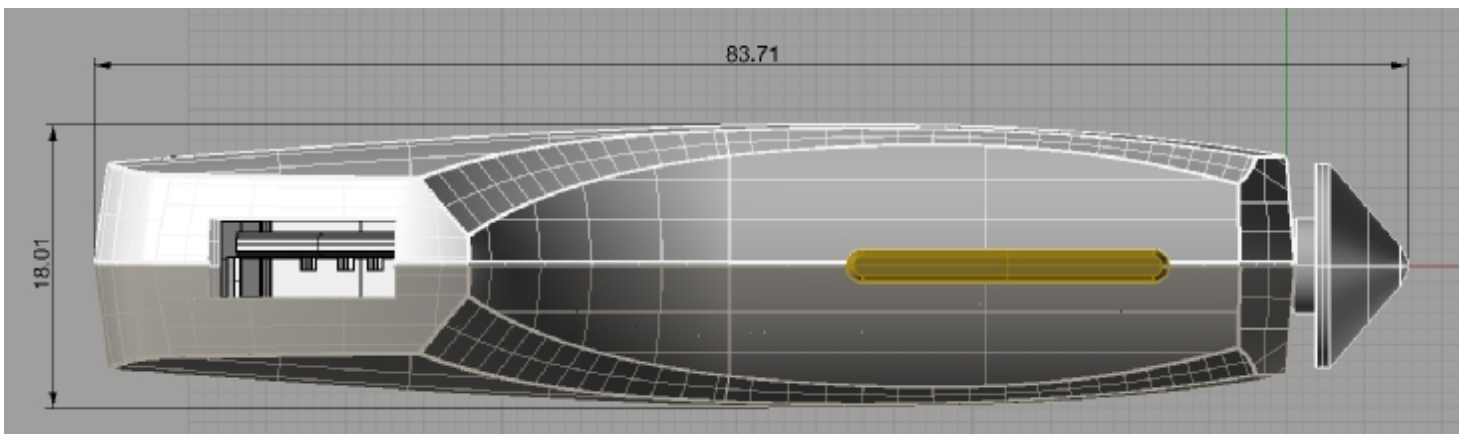
90% RH Non-condensing

5. Mechanical Drawing

5.1 Dimension: 83.71mm x 18.01mm

5.2 Drawing

5.2.1 Switch adapter unit:



FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

FCC RF Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.