

Product Specification

Product Name: AC Adapter

Product Model: N-AC012B

Design No: N-AC012B

Issued Date: Oct 30, 2024

Customer Approval

Signature	Approval Date

Galaxy Polytron Approval

Revision	Prepared By	Reviewed By	Approved By
0	Eli	Zhong	

Content

		Page
0	Revision History and Deviation	2
1	Electrical Performance and Tests	3
2	Mechanical Tests and Requirements	4
3	Environmental Conditions	4
4	Safety Standards	4
5	Electromagnetic Compatibility	4
6	Mechanical Drawings	5
7	Product Photos	5

Model Number	Date	Revision	Page
N-AC012B	Oct 30, 2024	0	1

0 Revision History and Deviation

0.1 Revision History

Revision	Date	By	Description of Change
0	Oct 30, 2024	Eli	New release

0.2 Deviation

Customer Request	Deviation for samples	Mass production
Notice that of items shall be completed before mass production		
Description	L/T	Remark

1 Electrical Performance and Tests

1.1 Input

Voltage: AC100V-240V

Current: 1.6A Max

Frequency: 50/60Hz

1.2 Output

Type-C: DC5V/3A,9V/3A,12V/3A,15V/3A,20V/3.25A (65W Max)

Type-C PPS: DC3.3-11V/3A,3.3-20V/3.25A

Ripple Voltage:less than 200mV

1.3 Hi-pot Test

Apply 3.0KV between primary circuit and secondary circuit for 3 second, the leakage current must be less than 5mA.

1.4 Insulation Resistance

N/A.

1.5 Abnormal Protection

OCP: Overcurrent protection shall work in the range of 1.1 to 1.4 times the current specification.

SCP: No damage to the power bank when output short happened.

1.6 Burn in Test

2 hours @ 100VAC input, full load, 25 degree C.

1.7 LED Indication

N/A

1.8 Operation Manual

When charging the device, first connect this product to the socket, and then use a USB cable to connect to the device.

After the device is fully charged, separate it from the USB cable and then unplug the device from the socket.

Model Number	Date	Revision	Page
N-AC012B	Oct 30, 2024	0	3

2 Mechanical Tests and Requirements

2.1 Net Weight

Approx. 102±7g (Subject to physical object)

2.2 Dimension

66*42*20.5 mm

2.3 Surface

Damage and rusting are not permitted.

2.4 Drop Test

Drop height: 1.0m above 25 mm 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.

2.5 Cable Specification

N/A

3 Environmental Conditions

3.1 Operating Temperature

0°C ~ +40°C

3.2 Storage Temperature

-10°C ~ +60°C

3.3 Humidity

20%~85%RH Non-condensing

4 Safety Standards

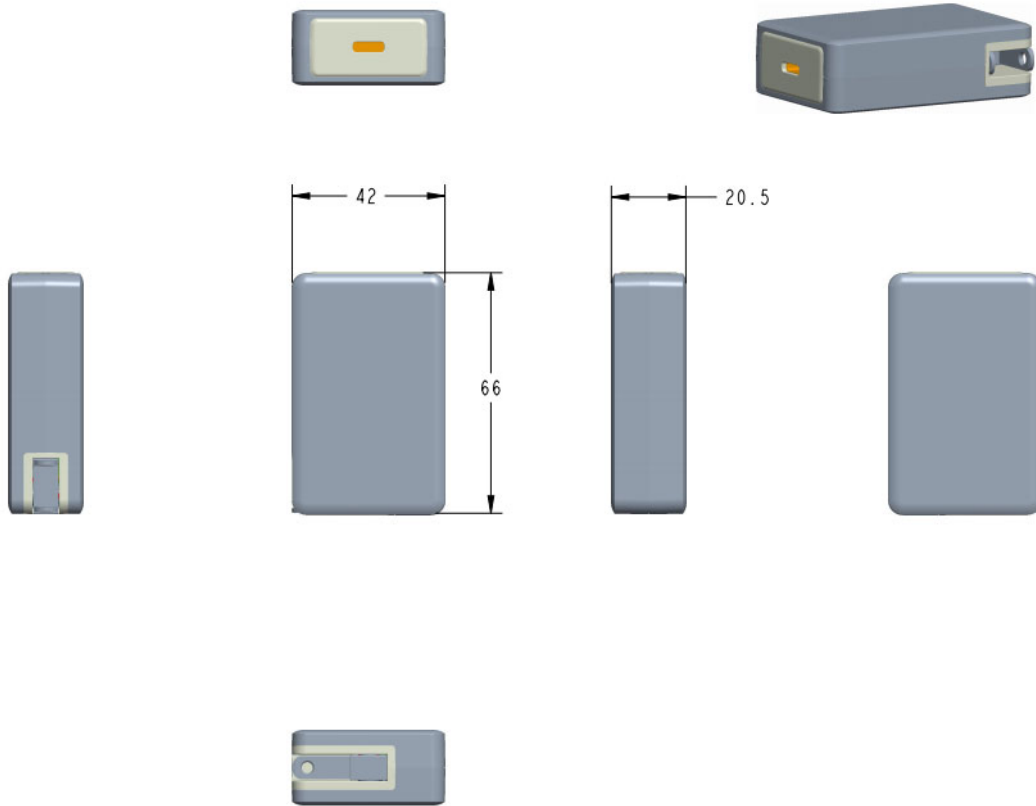
Comply with IEC/EN/UL/J60950-1

5 Electromagnetic Compatibilities

Comply with EN/J55022

Model Number	Date	Revision	Page
N-AC012B	Oct 30, 2024	0	4

6 Mechanical Drawings



7 Product Photos



Model Number	Date	Revision	Page
N-AC012B	Oct 30, 2024	0	5