

Product Specification

Product Name: Power Bank

Product Model: N-DC011

Design No: N-DC011

Issued Date: Dec 31, 2024

Customer Approval

Signature	Approval Date

Galaxy Polytron Approval

Revision	Prepared By	Reviewed By	Approved By
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1 Electrical Performance and Tests

1.1 Input

Type-C: DC5V/3A, 9V/2.22A, 12V1.67A(20W Max)

1.2 Output

Type-C: DC5V/3A, 9V/2.22A, 12V/1.67A(20W Max)

Type-C PPS: 3.3-11.0V/2.0A

Type-C1+Type-C2: DC5V/3A Max

Ripple Voltage: less than 200mV

Battery Capacity: 3.7V 5000mAh (18.5Wh)

Leakage current: less than 200uA

1.3 Hi-pot Test

N/A.

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

One cycle at least for charging and discharging test.

1.7 LED Indication

The dual color LED indicates 25% and 100% battery capacity respectively.

	Capacity	Red LED	White LED
Discharging	25%-100%	Off	Flicker
	1%-24%	Flicker	Off
	0%	Off	Off
Charging	100%	Off	On
	25%-99%	Off	Flicker
	0%-24%	Flicker	Off

The above test conditions are: 5V/1A

1.8 Operation Manual

You can use the TYPE-C cable that comes with the product to charge the device, with different colored LEDs indicating remaining power. After the device is fully charged, separate it from the product. After about 30 seconds, the product will automatically shut down. You can use the TYPE-C cable that comes with the product to charge it. Different colored LEDs indicate the battery level until the battery is fully charged, and the LED white light remains on.

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2 Mechanical Tests and Requirements

2.1 Net Weight

Approx. 116±5g

2.2 Dimension

96.5* 30.5*30.5 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

L=15CM, OD: 2.6*5.8mm,TPE.

3 Environmental Conditions

3.1 Operating Temperature

0℃ ~ +40℃ (Allow product overheating protection)

3.2 Storage Temperature

-10℃ ~ +60℃

3.3 Humidity

20%~85%RH Non-condensing

4 Safety Standards

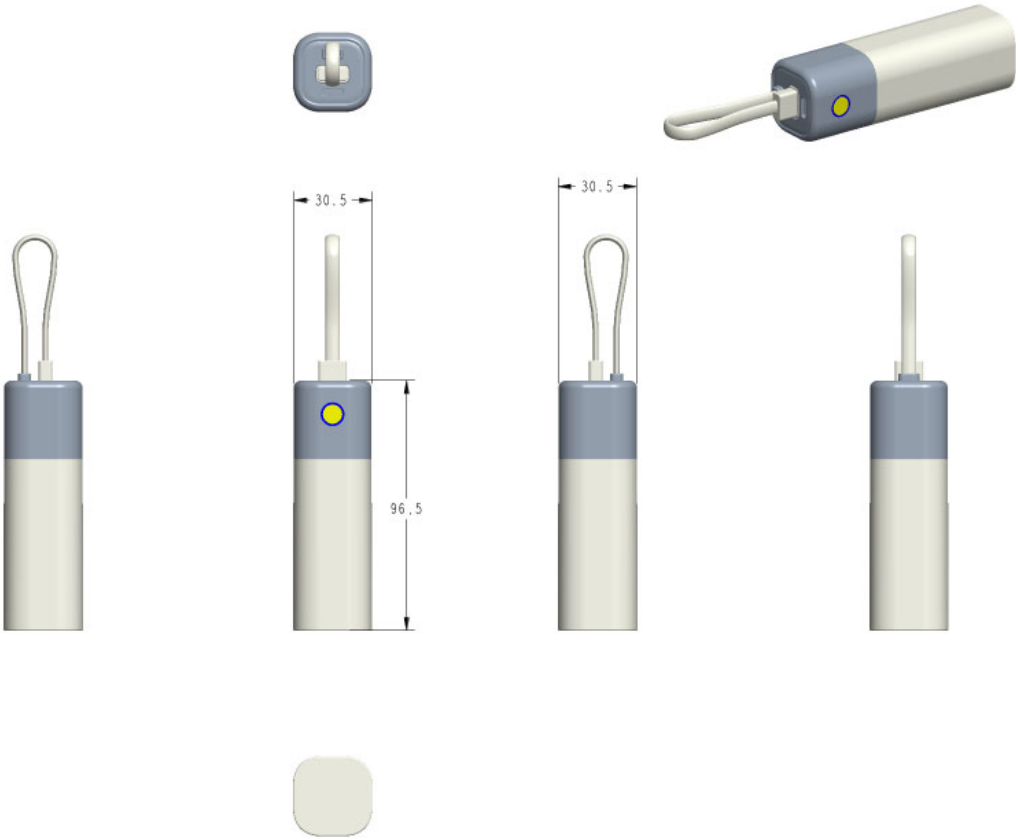
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5 Electromagnetic Compatibilities

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6 Mechanical Drawings



7 Product Photos



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