

 Shenzhen Tongyinhai Precision Electronics Co., Ltd. Huizhou Branch	Product Specification	DocumentNo	Rev
		TYH-WI-EN-004	A0

Product name	Back clip wireless power bank
Product Model	TYH-60071

1. General items

1.1 Test Conditions

Unless otherwise specified, the tests and measurements are to be carried out in the following standard conditions.

Temperature: $25^{\circ}\text{C} \pm 3^{\circ}\text{C}$

Relative Humidity: 40%~80%

Air pressure: 86~106 Kpa

1.2 Environmental: Comply with ROHS 2.0 control standard

1.3 Battery maintain instructions for long-term storage

Mobile Power Banks should be on a charge and discharge every 6 Months during long-term storage, and 60% of the power should be restored, to extend its cycle life.

	Written By / Date	Checked By / Date	Approved By / Date
	YI. SI. RONG 2021. 05. 11		

Manufacturer: Shenzhen Tongyinhai Precision Electronics Co., Ltd. Huizhou Branch

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		TYH-WI-EN-004	A0

Specification change history

edition	Description	Date	
A0	Documentation	2021-05-11	

Catalog

Serial number	content	Page number
1	Product overview	3
2	Product features	3
3	Product parameters	3
4	Product appearance	4
5	matters needing attention	4
	-END-	

 Shenzhen Tongyinhai Precision Electronics Co., Ltd. Huizhou Branch	Product Speciflcation	DocumentNo	Rev
		TYH-WI-EN-004	A0

1,Product overview:

This mobile power supply is an intelligent backup power supply designed for mobile digital products. It adopts highly integrated PCB circuit, output high-efficiency DC-to-DC booster conversion circuit, and has a lithium battery protection circuit to achieve accurate voltage overcharge, voltage over discharge, current overload and short circuit protection.

2, Product features:

- . Adopt intelligent IC chip control technology and multiple protection circuit;
 - . High efficiency output, high capacity polymer lithium battery energy storage;
 - . Standard USB+ Type-C interface + wireless output can adapt to different load and equipment requirements;
 - . Vibration induction start switch, can be different recognition and experience style;
 - . Personalized LED display can accurately identify the battery power;
- Shell material :PC+ABS raw material (Black/White).

3, Product parameters:

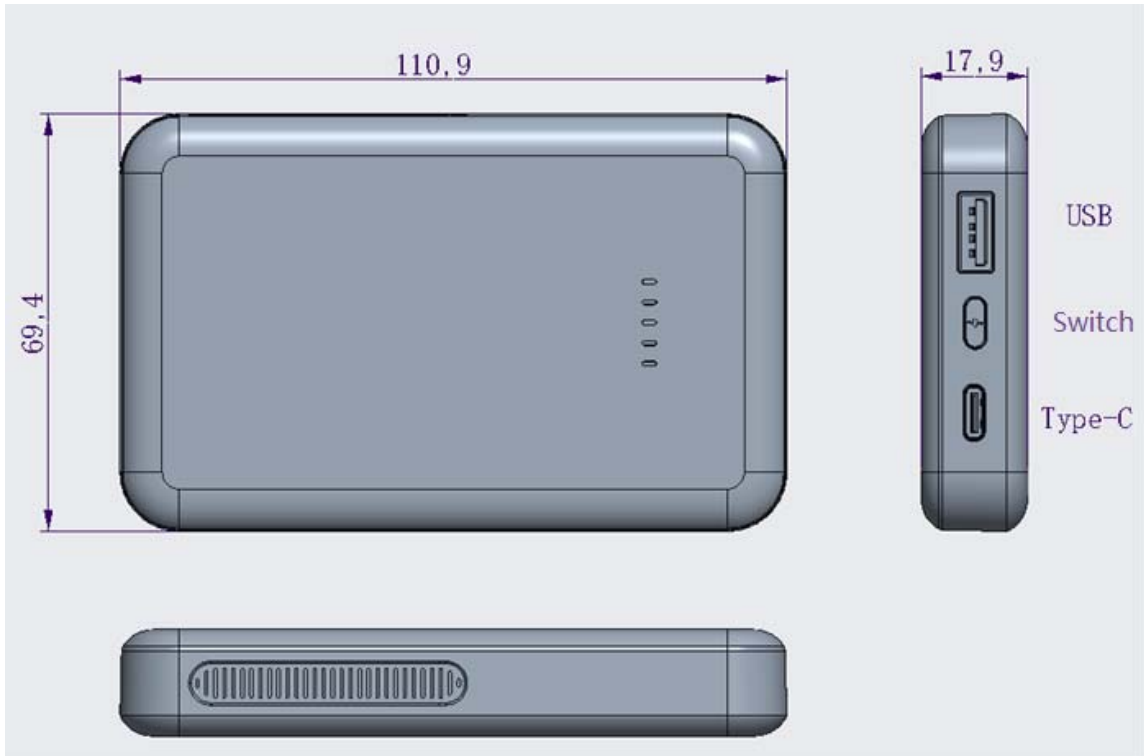
Serial number	Project	Specifications describe
1	The mainboard scheme	YS601/QFN15 ,YS886M/4.475V
2	Cell size / capacity	3.8V Lithium polymer 126280(10000mAH)
3	Output port	USB-A、TYPE C port
4	Input voltage current	5V/3A、9V/2A、12V/1.5A (MAX)
5	Input protocol	N/A
6	Output voltage current	5V/3A、9V/2A、12V/1.5A (MAX)
7	Output protocol	N/A

 Shenzhen Tongyinhai Precision Electronics Co., Ltd. Huizhou Branch	Product Specification	DocumentNo	Rev
		TYH-WI-EN-004	A0


8	Conversion efficiency	(BATT:3.8V) ≥63% (5V/2AAverage conversion efficiency)
9	Low voltage protection	When the cell voltage is too low, turn off the output
10	Over current protection	Yes
11	Short circuit protection	When the short circuit is abnormal, the light will be off, and it can be charged and activated after the short circuit is removed
12	Temperature rise protection	Temperature rise change of product surface during operation: ≤ 40 °C
12	Battery Indicator	Four LED power lights, blue + wireless red and yellow
13	Size / weight	See the attached figure for details / unit weight: About 192 ± 10g (single)

Notes: The detailed definition of product performance specification can refer to the product engineering drawing, Thank you!

4, Product appearance:



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		TYH-WI-EN-004	A0

6、matters needing attention:

1. Do not put the product into the fire or heat the product. Do not store the product at high temperature (recommended ≤ 35 °C).
2. Do not directly connect the positive and negative electrodes of the battery in the product with metal objects to cause contact short circuit.
3. Do not drop or impact the product or battery with hard objects.
4. Please do not disassemble the product or internal devices at will, and do not change the internal structure of the product at will.
5. Do not put this product into water or other solvents. Do not use it after immersion.
6. Do not use unqualified equipment when charging and discharging, and follow the correct instructions.
7. Do not put the hot, deformed or leaking product battery into other equipment.
8. The silk screen on the product surface should not be wiped with chemical solvent (typical alcohol and chloroform)

-END-

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.

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

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:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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