



Wenzhou Safewire Electric Co.,Ltd.

No.152 Xingguang Road, Xingguang industry zone, Liushi town, Yueqing, Wenzhou,China ,325604  
Tel:0086-577-62799688; Email:info@safewirele.com;

[www.safewirele.com](http://www.safewirele.com)

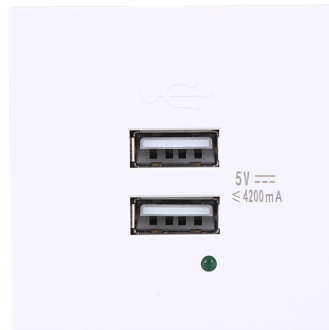
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# SPECIFICATION SHEET

**PRODUCT NAME:** USB charger

**PRODUCT No. :** F1042A



ADD: 152 xinguang industrial zone, yueqing city, zhejiang province

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## **USB Characteristic:**

Serial No.	Parameter	Description
1	Panel Material	PC 94-V0
2	Inside material	Tin phosphorous bronze
3	Surface finish	Glossy
4	USB DC output	4.2A/5V
5	Output voltage tolerance	±5%
6	Output power	Max.21W
7	Service life in hours	3000h 21W
8	Efficiency	78%
9	No-load power consumption	Max 0.2W
10	Input voltage	100~240v/AC 50~60Hz
11	Color	White RAL9003 Black
12	Number of terminals	2 screw terminals
13	Electrical insulation class	Class II
14	IK degree of protection	IK04
15	IP degree of protection	IP21
16	Dimension of product	45*45mm

## **Environmental requirements**

Serial No.	Parameter	Description
1	Operating temperature	-10℃~+40℃;Operating
2	humidity	20%~90% RH
3	Storage temperature	-20℃~+85℃;storage
4	humidity	10%~95% RH
5	Resistance to pressure	≥3Kv/AC 1min
6	Isolation resistance	500v DC/100MΩ

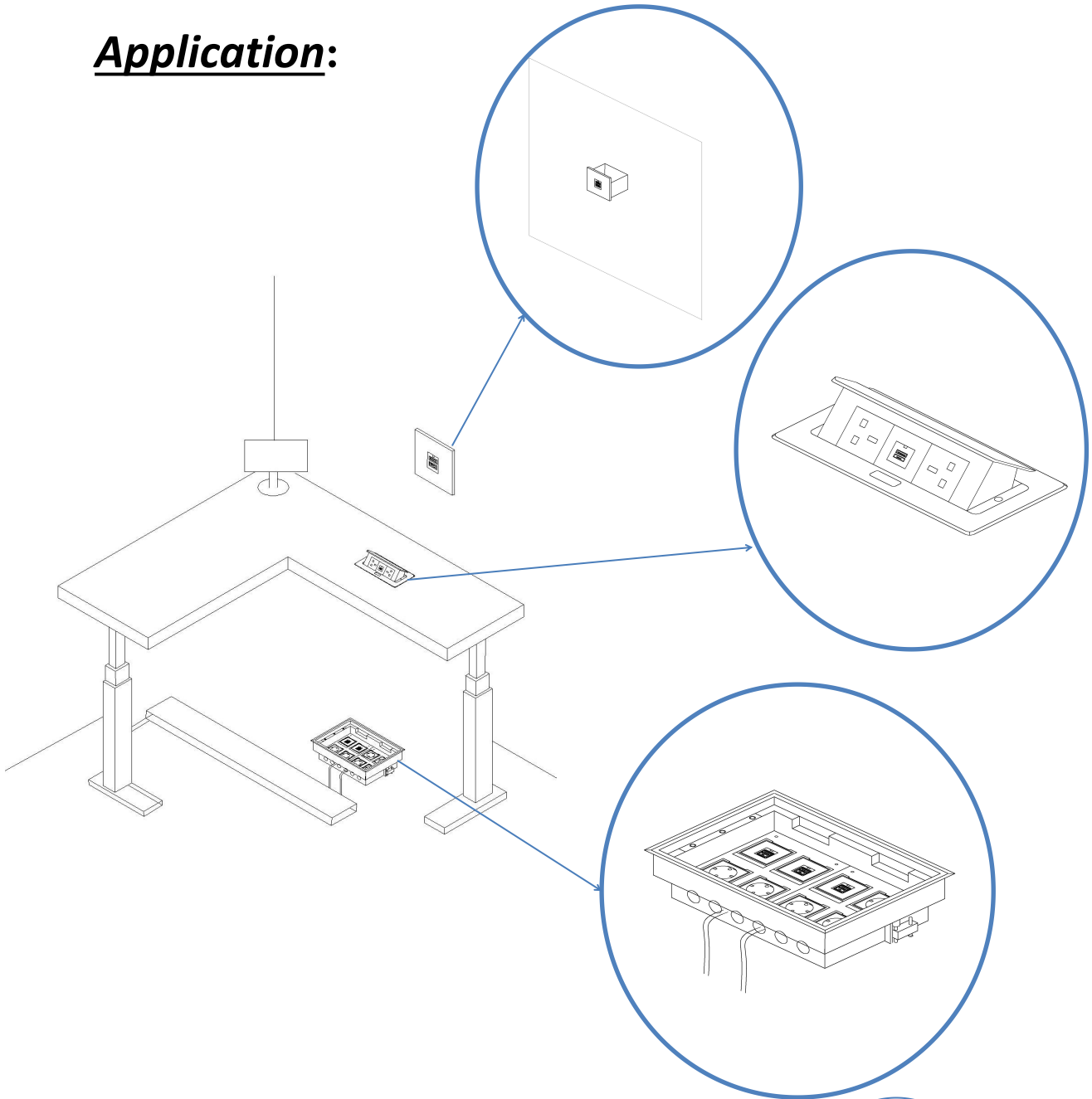


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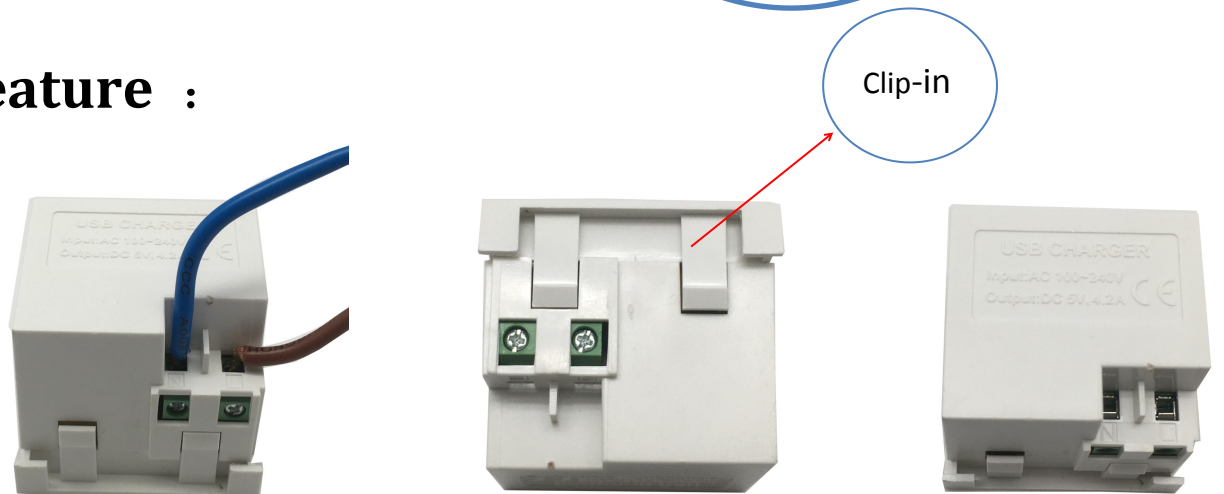
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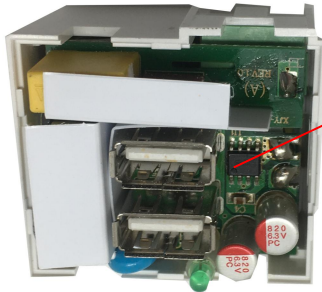
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## Application:



## Feature :



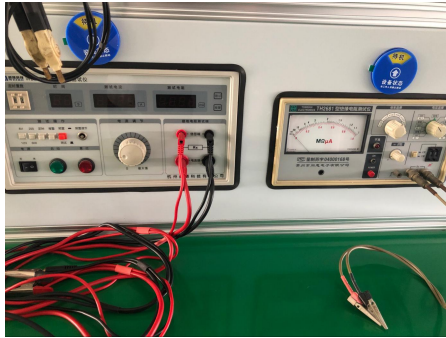


Identificati  
on of the

1.5...2.5mm<sup>2</sup> for stranded cable (s)

1.5...2.5mm<sup>2</sup> for flexible cable (s)

1.5...2.5mm<sup>2</sup> for rigid cable (s)



**insulation resistance tester**



**dielectric strength tester**



**Current tester**

- 1).Dual port USB charger of 4.2A 5VDC;
- 2). Protection type: Short time short-circuit protection;
- 3).With identifying chip: can automatically recognize different mobiles and suit its request charging AMP to meet the charging speed;
- 4) Product be certificated by CE,IEC60950 FOR LVD and IEC55024,IEC61000 for EMC;
- 5). All materials be ROHS directive tested



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Testing Item	Testing Standard	Testing Data
Aging test	USB charger for 2 hours with LED lights must always light	2 hours
	High and low pressure 90V-264V to normal operation	90V-264V normal
Power test	Rated output voltage range: no-load: 5V $\pm$ 5%, load:5V $\pm$ 5%	No-load: 4.92-4.95V, load: 5.04-5.1
	Rated output current	5.0V
	Output ripple: load 1A/2.1A, Vpp<200mV	117mV-146mV
	Short circuit protection: output positive and negative short for 2 minutes, after the break to work properly	2 minutes
	Pin output voltage: D-: 2.75VDC/D+:2VDC, subject to actual test value	D-:2.77V/D+:2.763V
Pressure test	Under normal climatic conditions, the input and output terminals should withstand the corresponding voltage(USB-10, 101 series for the 1500V, the other is more than 3000V), Generally every test a minute without breakdown flashing phenomenon was qualified, and leakage $\leq$ 5mA.	3000V 0.68mA-0.69mA
Insulation resistance test	In the normal temperature environment, AC input plug and DC input plug between the input DC500V, 1 minute after the insulation resistance of 7 trillion or more	$\infty$
Grounding resistance	In any case the resistance shall not exceed 100m $\Omega$	
Temperature rise test	At room temperature 30 $^{\circ}$ C rated work, the charger rated for 2 h after the measurement of its shell surface temperature change <1 $^{\circ}$ C/ h that the temperature is stable, this time measuring the surface temperature of its shell <50 $^{\circ}$ C	Pass
Limit load	Test the product load current limit can run the load value	pass

Package:10 Pcs inner box into a master carton.Poly bag with box packing.

SafeWire

Package solution





**SAFEWIRE**

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**BST** A RELIABLE TESTING FOR TRUST

## Certificate of Compliance

Certificate Number: BSTSH18111571101CC

**Applicant** : ZHEJIANG NEW-EPOCH COMMUNICATION INDUSTRY CO., LTD  
Wengyang Industry Zone, Yueqing, Zhejiang, China

**Manufacturer** : ZHEJIANG NEW-EPOCH COMMUNICATION INDUSTRY CO., LTD  
Wengyang Industry Zone, Yueqing, Zhejiang, China

**Product Name** : USB CHARGER

**Trade Name** : NEPCI

**Main Test Model** : XJY-USB-17E

**Additional Model** : XJY-USB-17C, XJY-USB-17D, XJY-USB-17F, XJY-USB-17G,  
XJY-USB-17H, XJY-USB-53, XJY-USB-58, XJY-USB-59,  
XJY-USB-60, XJY-USB-61, XJY-USB-62, XJY-USB-63,  
XJY-USB-64, XJY-USB-65

**Test Standard** : IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013,  
IEC 62321-6:2015, IEC 62321-7-1:2015,  
IEC 62321-7-2:2017, IEC 62321-8:2017

**As shown in the Test Report No.** : BSTSH18111571101CR

The EUT described above has been tested by us and found in compliance with the council RoHS 2 Directive 2011/65/EU Annex II (EU) 2015/863 as last amended by Directive (EU) 2017/2102. This certificate is only valid in conjunction with the test report.




**RoHS**

Tony Qian  
Approved Signatory  
Nov.03, 2018

**Dongguan BST Testing Co., Ltd**  
Add: A1201-1204 Xinsanjie Of Dongbao Road, Dongcheng District, Dongguan, Guangdong, China  
Certificate Search: <http://www.bst-lab.com>, Tel:400-882-9628, 8009990305, E-mail:christina@bst-lab.com

**BST** A RELIABLE TESTING FOR TRUST

## Certificate of Compliance

Certificate No. : BSTSH181011571101EC

**Applicant** : ZHEJIANG NEW-EPOCH COMMUNICATION INDUSTRY CO., LTD  
Wengyang Industry Zone, Yueqing, Zhejiang, China

**Manufacturer** : ZHEJIANG NEW-EPOCH COMMUNICATION INDUSTRY CO., LTD  
Wengyang Industry Zone, Yueqing, Zhejiang, China

**Product Name** : USB CHARGER

**Trade Name** : NEPCI

**Main Test Model** : XJY-USB-17E

**Additional Model** : XJY-USB-17C, XJY-USB-17D, XJY-USB-17F, XJY-USB-17G,  
XJY-USB-17H, XJY-USB-53, XJY-USB-58, XJY-USB-59,  
XJY-USB-60, XJY-USB-61, XJY-USB-62, XJY-USB-63,  
XJY-USB-64, XJY-USB-65

**Test Standard** : EN 55032:2015  
EN 61000-3-2:2014  
EN 61000-3-3:2013  
EN 55035:2017

**As shown in the Test Report No.** : BSTSH181011571101ER.

The EUT described above has been tested by us with the listed standards and found in compliance with the council EMC directive 2014/30/EU. It is possible to use CE marking to demonstrate the compliance with this EMC Directive.  
The certificate applies to the tested sample above mentioned only and shall not imply an assessment of the whole production.





Christina Deng  
Manager  
Oct. 31, 2018

**Shenzhen BST Technology Co., Ltd.**  
Add: Building No.23-24, Zhiheng Industrial Park, Guanakou Road, Nanlou, Nanshan District, Shenzhen, Guangdong, China  
Certificate Search: <http://www.bst-lab.com>, Tel:400-882-9628, 8009990305, E-mail:christina@bst-lab.com



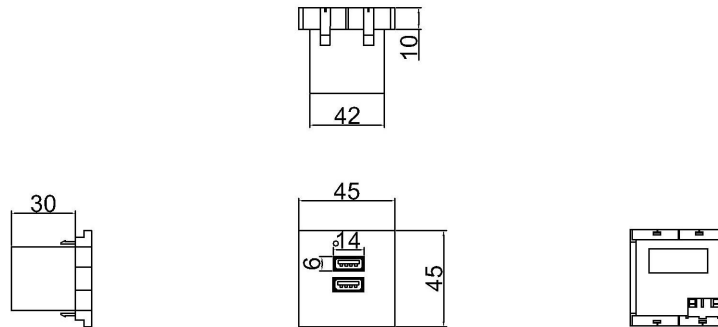
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### ***F1042A Outline drawing:***



### **4.Safety Warning:**

1. For indoor use only.
- 2.This product must be installed/wired by a qualified electrician.

### **5.Attentions:**

- 1.Protect children from touch skirt of USB port.
- 2.Ensure current and voltage as rating current/voltage .Do not overload
3. Prevent from corrosive liquid, gas (strong acid, strong alkali, paint)and humidity.