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Guangdong Boltpower Energy Co Ltd

TEST REPORT

SCOPE OF WORK
Test report

REPORT NUMBER
200410018GZU-001

ISSUE DATE
23-Apr-2020

REVISION DATE
None

NUMBER OF PAGES
33

DOCUMENT CONTROL NUMBER
Single test report _a_ May 2017

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TEST REPORT

Applicant	**:**	Guangdong Boltpower Energy Co Ltd
Address	**:**	No.1 keyuan Road Keyuan Industrial Park Tangxia Town, DONGGUAN CITY Guangdong, CHINA
Sample Description		
Name of Sample	:	Portable Power Station
Model Number	:	BP301S, BP301, BP300, BT300, J300, IM301, PGWG-CN001, BP300-UL, BP300S-UL, BP301-UL, BP301S-UL, RGP300C
Brand Name	:	NA
Sample Development Level	:	prototype
Quantity of Sample(s)	:	8
Date of Receival	:	14 Jan., 2020
Date of test Conducted	:	14 Jan., 2020~ 28 Mar., 2020
Report Issue Date	:	15 Apr., 2020
Test		
Test Requested	:	Test report for Portable Power Packs according to ANSI/CAN/UL 2743.
Test Method	:	Portable Power Packs [ANSI/CAN/UL 2743:2018 Ed.2].
Test Observation:	:	From the results of our examining and testing on the submitted samples, we are of the opinion that the submitted samples complied with the relative clause of above standard.
Test Conclusion:		The battery pack is tested according to UL 2743, recorded in ***Appendix A.***
Other information	:	DC Input: 18Vdc/3A Type-C Output: 5Vdc/3A, 9Vdc/3A, 12Vdc/3A, 15Vdc/3A, 20Vdc/2.25A USB Output 1: 5Vdc/3A, 9Vdc/2A, 12Vdc/1.5A USB Output 2/3: 5Vdc/3.1A(2.4A Max. per port) DC output: 12Vdc-16.8Vdc, 12A(10A Max. per port) AC Output: 110V/300W/60Hz Battery capacity: 296Wh Working temperature: 0°C ~40°C
Remark	:	This test report is only for evaluation of the specified standard clauses listed in Test Requested. Determination of the test conclusion is based on IEC Guide 115 in consideration of measurement uncertainty.

Tested by:

Brown Li
Engineer

Approved by:

Peter Lu
Reviewer

TEST REPORT

The testing of this report is type tests. The requirements and tolerances permitted by this report are related to testing of a type-test sample submitted by the manufacturer for that purpose. Compliance of the type-test sample does not ensure compliance of the whole production of a manufacturer.

Possible test case verdicts:	
- test case does not apply to the test object :	N/A
- test object does meet the requirement :	P (Pass)
- test object does not meet the requirement :	F (Fail)

Factory: Guangdong Boltpower Energy Co Ltd.

Address: No.1 keyuan Road Keyuan Industrial Park Tangxia Town, DONGGUAN CITY Guangdong, CHINA

Details information for product:

The product covered by this report is a portable power pack, which contained one input DC connector, DC/DC convert circuit, DC/AC convert circuit, one type-C USB output port rated 5Vdc/9Vdc/12Vdc/15Vdc/20Vdc, one QC USB output port rated 5Vdc/9Vdc/12Vdc, two USB output ports rated 5Vdc, three DC output ports rated 12Vdc~16.8Vdc, LED light, and one built-in Rechargeable Li-ion battery pack with 8 cells in 4S2P.

This product was supplied by a specified certified charger.

DC output ports could not be loaded if other outputs loaded at the same time.

The product could not be charged and supply the power to output port at the same time. This device is intended to be indoor use only.

All models were identical except for the model number.

This single test report is based on Intertek ETL job 20114142GZU, and the original test data could refer to job 20014142GZU.

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Appendix A:			
HOUSEHOLD AND COMMERCIAL BATTERIES - UL 2743			
Clause	Requirement - Test	Result - Remark	Verdict
1	Scope		P
2	Units of Measurement		P
3	Components		P
4	Undated References		P
5	Glossary		P
Construction			--
6	General		P
6.1	If the operation and maintenance of a power pack by the user involves a risk of injury to persons, a risk of electric shock, or a risk of fire, means shall be provided to reduce the risk. When evaluating a power pack, consideration shall be given to reasonably foreseeable misuse of the product.		P
6.2	Power packs intended for use within a repair facility, and marked as such as indicated in 69.4, shall be provided with instructions containing the statement in 74.3 and shall be marked as shown in 70.19. Power packs that are not intended for use in a repair facility shall be marked in accordance with 70.20.		N/A
6.3	Outdoor use power packs shall be evaluated for all environmental considerations addressed by this standard and are intended to be used and stored either outdoors or indoors. Temporary outdoor use power packs shall be evaluated for exposure to rain, shall be marked in accordance with 70.20 and 70.21, and shall be provided with instructions in accordance with 74.5. Indoor use only power packs shall be marked in accordance with 70.22 and shall be provided with instructions in accordance with 74.6. Indoor use only packs need not comply with the environmental considerations in 7.5.	Indoor use only, and the relevant mark and instruction not were not submitted for checking.	N/A
6.4	For power packs not marked in accordance with 70.23, the device shall be subjected to the Vibration Test, Section 51.		P
7	Frame and Enclosure		P
7.1	General		P
7.2	Metallic enclosures		N/A
7.3	Nonmetallic enclosures		P
	Conductive coating		N/A
7.4	Openings in enclosures		P
7.5	Environmental considerations		N/A
8	Flammability of Materials	See the CDF	P
9	Assembly		P

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10	Corrosion Protection	The material:	N/A
11	Supply Connections		P
11.1	General		N/A
11.2	Flexible cord connection		N/A
11.2.2	Strain relief		N/A
11.2.3	Bushings		N/A
11.3	External power supplies	External power supply comply UL 1310&CAN/CSA C22.2 No. 223 or UL/CSA 60950-1 or UL 1012&CSA C22.2 No. 107.2-01	P
11.4	Vehicle adapters		N/A
11.5	Photovoltaic panels		N/A
12	Output Connections		P
12.1	General	Tested with appliance	P
12.2	Booster cable assemblies		N/A
12.2.1	General		N/A
12.2.2	Cables		N/A
12.2.3	Clamps		N/A
12.3	Receptacles		P
12.4	DC output connectors and USB connectors	Tested with appliance	P
12.5	Vehicle adapter sockets		N/A
13	Grounding		N/A
13.1	General		N/A
13.2	Grounding identification		N/A
14	Double Insulated Products		N/A
15	Current Carrying Parts		P
16	Internal Wiring		P
16.1	Mechanical protection		P
16.2	Wiring insulation		N/A
16.3	Splices and connections		P
17	Separation of Circuits		N/A
18	Insulating Materials		N/A
19	Compressors		N/A
19.1	General		N/A
19.2	Motors and thermal protection		N/A
19.3	Parts subject to pressure		N/A
19.3.1	A part of the power pack that is subject to pressure during normal or anticipated abnormal operation shall withstand, without rupture, a pressure corresponding to five times the maximum pressure that can be developed by the system.		N/A

19.3.2	In the event that a test is required to determine whether a part complies with the requirement in 19.3.1, two samples of the power pack are to be subjected to the Hydrostatic Strength Test, Section 59. Prior to the test, parts molded of polymeric material are to be conditioned in an air circulating oven for 7 hours at a temperature of 70°C (158°F) or 10°C (18°F) higher than the maximum temperature measured on the part under normal load, whichever is greater. The samples are to be removed from the oven and allowed to cool to room temperature prior to the test.		N/A
20	Capacitors and Electrochemical Capacitor Modules		N/A
20.1	Capacitors		N/A
20.2	Electrochemical capacitor modules		N/A
21	Resistors		P
22	Lampholders		N/A
23	Transformers		P
24	Switches and Controls		N/A
24.1	A switch or other control device shall be suitable for the application and shall have current and voltage ratings not less than those of the circuit that it controls when the power pack is operated as intended.		N/A
24.2	A primary circuit switch that controls an inductive load having a power factor less than 75 percent, such as a transformer, and that does not have an inductive rating, shall be rated not less than twice the full load current rating of the load, or the switch shall be investigated for this application.		N/A
24.3	A switch or other control device not having an inductive rating that is connected in a transformer secondary circuit shall comply with the Normal Temperature Test, Section 47, and with the Overload of switches and controls test, Section 53.2.		N/A
24.4	Unless rated for the application, a switch or other device that controls a motor and is not interlocked so that it will not break the locked rotor motor current shall be subjected to the Overload of switches and controls test, Section 53.2, based on the locked rotor current of the motor.		N/A
24.5	A switch that controls a tungsten-filament lamp shall have a tungsten-filament lamp current rating not less than the maximum current it will control.		N/A
24.6	A switch shall not disconnect the grounded conductor of a circuit.		N/A
24.7	If unintentional operation of a switch results in a risk of injury to persons, the actuator of the switch shall be located or guarded so that such operation is unlikely. The actuator of a switch may be guarded by recessing, ribs, barriers, or the like.		N/A
25	Printed Wiring Boards	V-0	P

26	Interlocks		N/A
27	Overload Protection Devices		N/A
27.1	An overcurrent or thermal protective device shall be suitable for the application.		N/A
27.2	An automatic reset device used to comply with 27.1 shall be cycled through 200 operations. At the end of the 200 operations, the device shall be able to perform its intended function with no additional risk of fire, electric shock, or injury to persons. See Overload of protection devices, Section 53.3.		N/A
27.3	A fuse involving a risk of electric shock shall be inaccessible: a) To the user from outside the enclosure, and b) To the user during any user servicing.		N/A
27.4	A fuse that can be serviced by the user shall be secured in a fuseholder that is constructed and installed such that no uninsulated live parts will be accessible to contact by persons removing or replacing the fuse. The power pack shall be marked in accordance with 70.10. This marking shall be adjacent to the fuse.		N/A
27.5	The screw shell of a plug fuseholder and the accessible contact of an extractor type fuseholder shall be connected to the load.		N/A
28	Internal Battery	Li-ion Cells comply with UL 1642	P
28.1	General		P
28.2	Lead acid batteries		N/A
28.2.1	A lead acid battery shall comply with the requirements in the Standard for Standby Batteries, UL 1989.		N/A
28.2.2	The power pack shall provide a means of reverse polarity protection or the test of 50.3 shall be performed.		N/A
28.2.3	The power pack shall provide short circuit protection for the battery or the test of 50.2 shall be performed.		N/A
28.2.4	The power pack shall provide a means to prevent overcharge of the battery or the test of 50.9 shall be performed.		N/A
28.2.5	The battery shall be subjected to the Normal Operation Charging Test, Section 43.		N/A
28.3	Lithium-ion batteries		P
28.3.1	A lithium-ion battery cell shall comply with the requirements in the Standard for Lithium Batteries, UL 1642, or in the Standard for Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes – Safety Requirements for Portable Sealed Secondary Cells, and for Batteries Made From Them, for Use in Portable Applications, UL 62133.	Complied with UL 1642	P

28.3.2	The power pack shall provide a means of reverse polarity protection or the test of 50.3 shall be performed.		P
28.3.3	The power pack shall provide short circuit protection for the battery or the test of 50.2 shall be performed		P
28.3.4	The power pack shall provide a means to prevent overcharge of the battery or the test of 50.9 shall be performed.		P
28.3.5	The battery shall be subjected to the Normal Operation Charging Test, Section 43.		P
28.3.6	The power pack shall be subjected to the Lithium-Ion Charging System Test, Section 44.		P
29	Spacings		P
30	Inverters		P
30.1	Inverters provided as part of the power pack shall be shown to comply with the applicable requirements in this outline. See 30.2. Exception: Inverters that comply with the Standard for Power Units Other Than Class 2, UL 1012, comply without further evaluation.		P
30.2	With reference to 30.1, specific attention should be given to: a) Printed Wiring Boards, Section 25; b) Spacings, Section 29; c) Normal Temperature Test, Section 47; d) Dielectric Voltage Withstand Test, Section 48; and e) Abnormal Operation Tests, Section 50.		P
31	Charging Functions		N/A
31.1	Specialized packs that provide a charging function while connected to the source of supply that is intended to charge the external battery through the pack's booster cable assembly, or other output connection, shall have the charging circuits evaluated in accordance with the applicable requirements in the Standard for Battery Chargers for Charging Engine-Starter Batteries, UL 1236.		N/A
Protection Against Injury To Persons			P
32	General		N/A
33	Back Feed Protection		N/A
34	Sharp Edges		P
35	Strength of Enclosure		P
36	Attachments		N/A
37	Stability		P
38	Strength of Handles		P
39	Surface Temperatures		P
40	Safety Circuits and Control Circuits		P
PERFORMANCE			
41	General		P
42	Power Input Test		P
43	Normal Charging Operation Test		P
44	Lithium Charging System Test		P

45	Capacitor Discharge Test		N/A
46	Leakage Current Test		N/A
47	Normal Temperature Test		P
47.1	General		P
47.2	Maximum normal load		P
47.3	Power pack ampacity temperature test		N/A
48	Dielectric Voltage Withstand Test		P
49	Leakage Current Following Humidity Conditioning		N/A
50	Abnormal Operation Tests		P
50.1	General		P
50.2	Output short test		P
50.3	Reverse polarity of booster cables		N/A
50.4	Component faults		P
50.5	Relay and solenoid burnout		N/A
50.6	Printed wiring board abnormal test		N/A
50.7	Disconnected fan test		P
50.8	Blocked ventilation test		P
50.9	Overcharging test		P
50.10	Internal battery reverse polarity test	Without removable internal batteries	N/A
51	Vibration test		P
52	Ground Continuity		N/A
53	Overload Tests		N/A
53.1	General		N/A
53.2	Overload of switches and controls test	No such component	N/A
53.3	Overload of protection devices	No such component	N/A
53.4	Overload of interlocks	detachable flexible cord	N/A
54	Strain Relief Test		N/A
54.1	General		N/A
54.2	Push-back strain relief test		N/A
55	Strength of Enclosure Tests		P
55.1	General		P
55.2	Impact test		P
55.3	Drop test		P
56	Mold Stress Test		P
57	Strength of Handles Test		P
58	Stability Test		P
59	Hydrostatic Strength Test		N/A
60	Rain Test		N/A
61	Tests on Insulating Materials		N/A
62	Accelerated Aging of Gaskets, Sealing Compounds, and Adhesives Test		N/A
63	Metallic Coating Thickness Test	Plastic enclosure	N/A
64	Permanency of Wrapped Hang Tag Marking		N/A
65	Power Pack Ampacity Test		N/A
66	Back Feed Test		N/A
67	Cold Bend Test		N/A
68	Clamp Tests		N/A
68.1	General		N/A
68.2	Cold drop test		N/A
68.3	Dielectric voltage-withstand test		N/A
68.4	Secureness test		N/A

Marking (69-70)		P
Instructions (71-76)		P

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Appendix: List of critical components (Partial)

Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Mark(s) of conformity[1])
The plastic material for Tap of product	KINGFA SCI & TECH CO LTD	JH8-R20T05(ddd)	ABS, miminum RTI: 80°C, minimum thickness: 1.5mm, V-0	NR
Enclosure (cover, bottom frame, internal plastic frame and LED display board)	KINGFA SCI & TECH CO LTD	JH8-R20T05(ddd)	ABS, minimum RTI: 80°C, minimum thickness 1.5mm, V-0	E171666
All DC button	KINGFA SCI & TECH CO LTD	JH8-R20T05(ddd)	ABS, minimum RTI: 80°C, minimum thickness 1.5mm, V-0	E171666
Plastic material for Round input connector	KINGFA SCI & TECH CO LTD	FW-620T	J1, ABS, minimum RTI: 80°C, minimum thickness: 1.5mm, V-0	E171666
Round output connector	FORMOSA CHEMICALS & FIBRE CORP PLASTICS DIV	AC285(x)(f1)	J4 and J8, Plastic material: PC, minimum RTI: 125°C, minimum thickness: 1.0mm, minimum V-1. The output port was tested with appliance by UL 1977&CAN/CSA C22.2 No. 182.3	E162823
USB output	AMPHENOL TECHNOLOGY (ZHUHAI) CO LTD	C10-670932-B2P	USB output 2 and USB output 3, Voltage:30V, current:4.2A, temperature:-25~90°C. Tested with appliance by UL 1977&CAN/CSA C22.2 No. 182.3.	NR
QC USB output	AMPHENOL TECHNOLOGY (ZHUHAI) CO LTD	C10-670932-B2P	USB output 1, Voltage:30V, current:4.2A temperature:-25~90°C. Tested with appliance by UL 1977&CAN/CSA C22.2 No. 182.3.	NR
Receptacle for AC outlet	ZHEJIANG LECI ELECTRONICS CO LTD	DB-F-M2	Type C9&C10, 15A, 125V, UL 498&CAN/CSA C22.2 No. 42 certified	E309671
Type-C output	Shenzhen Type-C Technology Co Ltd	USCX-16F	Voltage:30V, current:5A, temperature:-55~90°C. Tested with appliance by UL 1977&CAN/CSA C22.2 No. 182.3.	NR
Lead wire between battery and connector	QIFURUI ELECTRONICS CO	1015	10AWG, 105°C min., 600V min., VW-1	E211048
	Interchangeable	1015	10AWG, 105°C min., 600V min., VW-1	UL cert or equivalent
Connector for Battery	KINGFA SCI & TECH CO LTD	FW-620T	V-0, 90°C	E171666
Lead wire between	SHENZHEN HONGGUANSHE	1015	14AWG, 105°C min., 300V min, VW-1	E465814

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Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Mark(s) of conformity[1])
battery protected PCB and battery	NG SCIENCE AND TECHNOLOGY CO LTD			
	Interchangeable	1015		UL cert or equivalent
All PCB	TONGLING HUAKE ELECTRONIC MATERIAL CO LTD	HRFR-4	V-0, 130°C, measured actual thickness: 1.65mm	E212661
	Interchangeable	Interchangeable		UL cert or equivalent
Internal wire	QIFURUI ELECTRONICS CO	1015	DC/AC invert PCB to DC button PCB, 26AWG, 105°C min., 300V min., VW-1	E211048
	Interchangeable	1015		UL cert or equivalent
Internal wire	QIFURUI ELECTRONICS CO	1015	main PCB to LED, 22AWG, 105°C min., 300V min., VW-1	E212661
	Interchangeable	1015		UL cert or equivalent
Internal wire	SHENZHEN HONGGUANSHENG SCIENCE AND TECHNOLOGY CO LTD	1015	DC/AC invert PCB to main PCB, 14AWG, 105°C min., 300V min, VW-1	E465814
	Interchangeable	1015		UL cert or equivalent
Internal wire	QIFURUI ELECTRONICS CO	1015	DC/AC invert PCB to AC outlet, 22AWG, 105°C min., 300V min., VW-1	E211048
	Interchangeable	1015		UL cert or equivalent
L11	SZSHENGGUANG ELEC CO.LTD	DIP135543T220M	22uH, -25°C+85°C	NR
L5	SZSHENGGUANG ELEC CO.LTD	DIP115543T047M	4.7uH, -25°C+85°C	NR
L2	Shenzhen HongTuElectronics CO.,Ltd	15151400010	1.0mH, -25°C+85°C	NR
L3	SZSHENGGUANG ELEC CO.LTD	DIP115543T220M	22uH, -25°C+85°C	NR
L7	SZSHENGGUANG ELEC CO.LTD	DIP115543T220M	22uH, -25°C+85°C	NR
L1	Shenzhen	1515130002	1.3mH, -25°C+85°C	NR

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Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Mark(s) of conformity[1])
	HongTuElectronics CO.,Ltd	6		
TX1	SHENZHEN KAM YEE PAK TECHNOLOGY CO., LTD	BP301S-110V	162uH, 155°C	NR
Insulation system for TX1	ZHEJIANG BOFAY ELECTRIC CORPORATION LTD	Wing Tai 155 A	Class 155(F)	E364061
Internal battery	Boltpower	9572130 pack	4S2P, 3.7V*4, 10000mAh*2	NR
Cell	HUNAN BOLTPOWER NEW ENERGY CO., LTD.	9572130	3.7V, 10000mAh, UL cert: MH63337	NR
Battery protective IC	SINO WEALTH ELECTRONIC LTD	SH367005SX	U1, Over charge protection voltage: 3.9~4.4V, Over discharge protection voltage: 2.0~3.0V, Temperature range: -40~85°C	NR
Mosfets	UBIQ	QN3109M6N	Q4, Q5, Q6, Q7, Q9, Q10,Q11 and Q12. 30V, 30A	NR
Y cap	SHENZHEN HAOTIAN ELECTRONIC CO LTD	HT	CY1, Y1 type, 125°C, 400V, 1nF	E326483
	Interchangeable	Interchangeable		UL cert or equivalent
Opto-Coupler	EVERLIGHT ELECTRONICS CO LTD	EL817	U4, Int cr: 7.4mm min. Ext. cr: 7.4mm min. Dti: 0.6mm min. 55/110/21	E214129
	Interchangeable	Interchangeable		UL cert or equivalent

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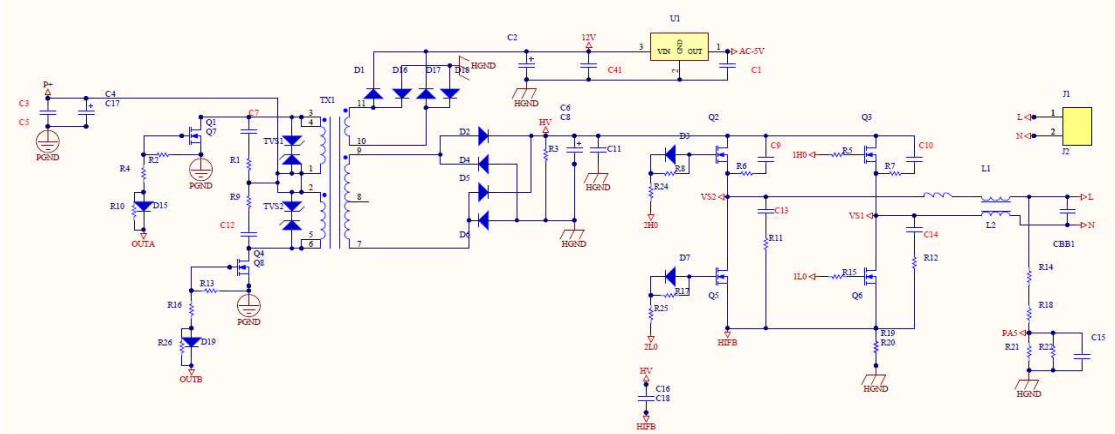
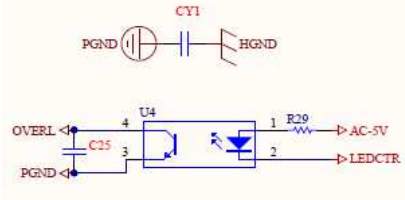
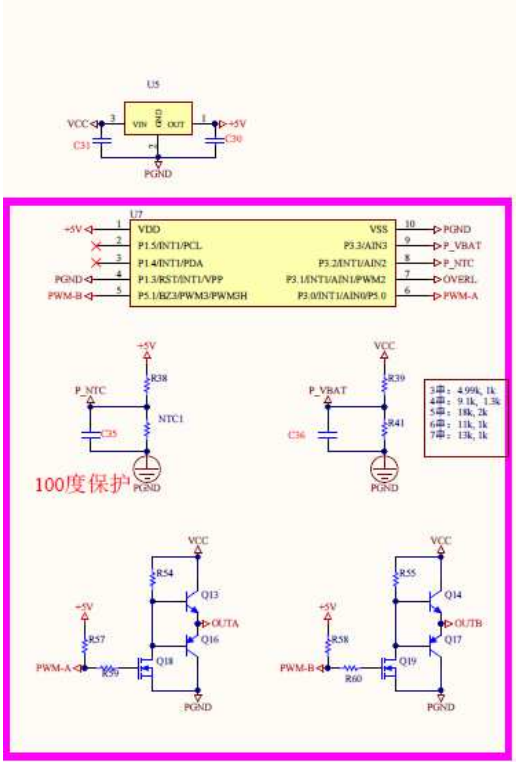
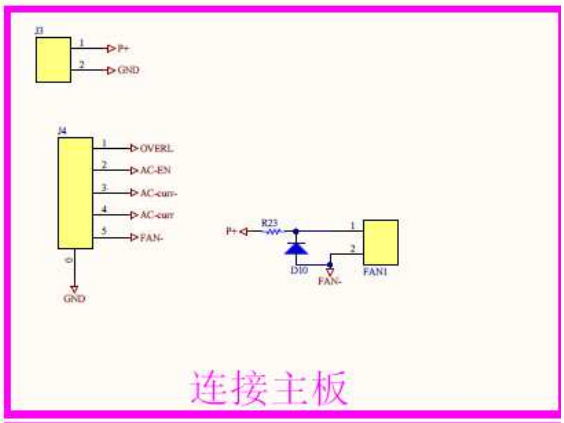
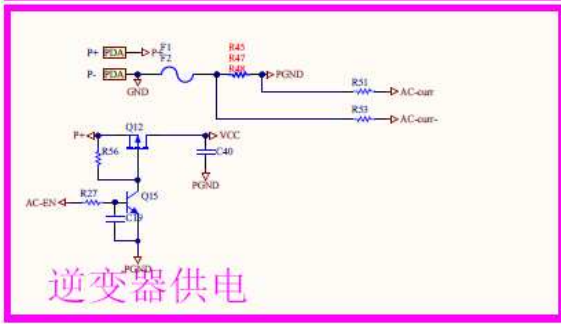
Appendix: Circuit Diagram











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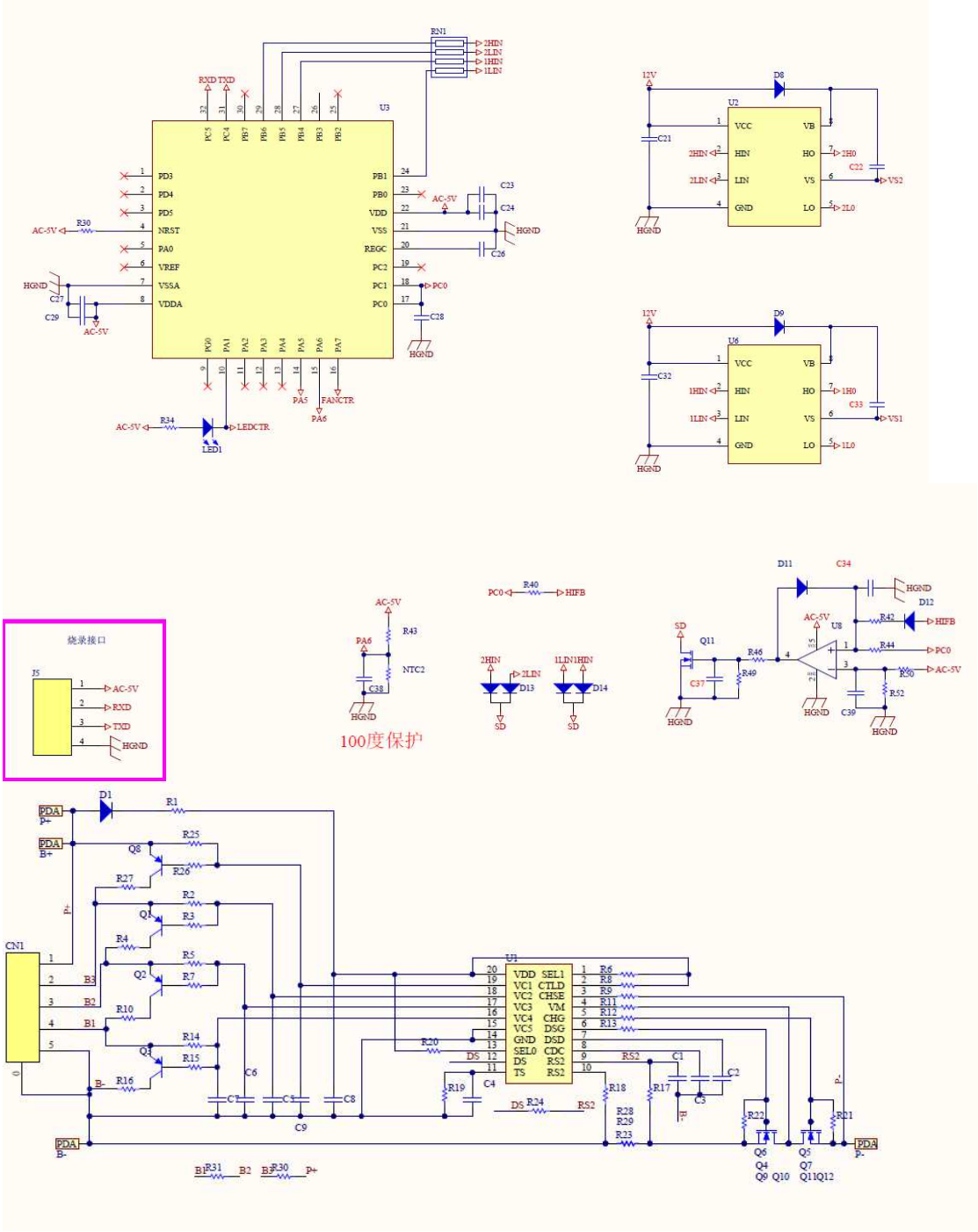

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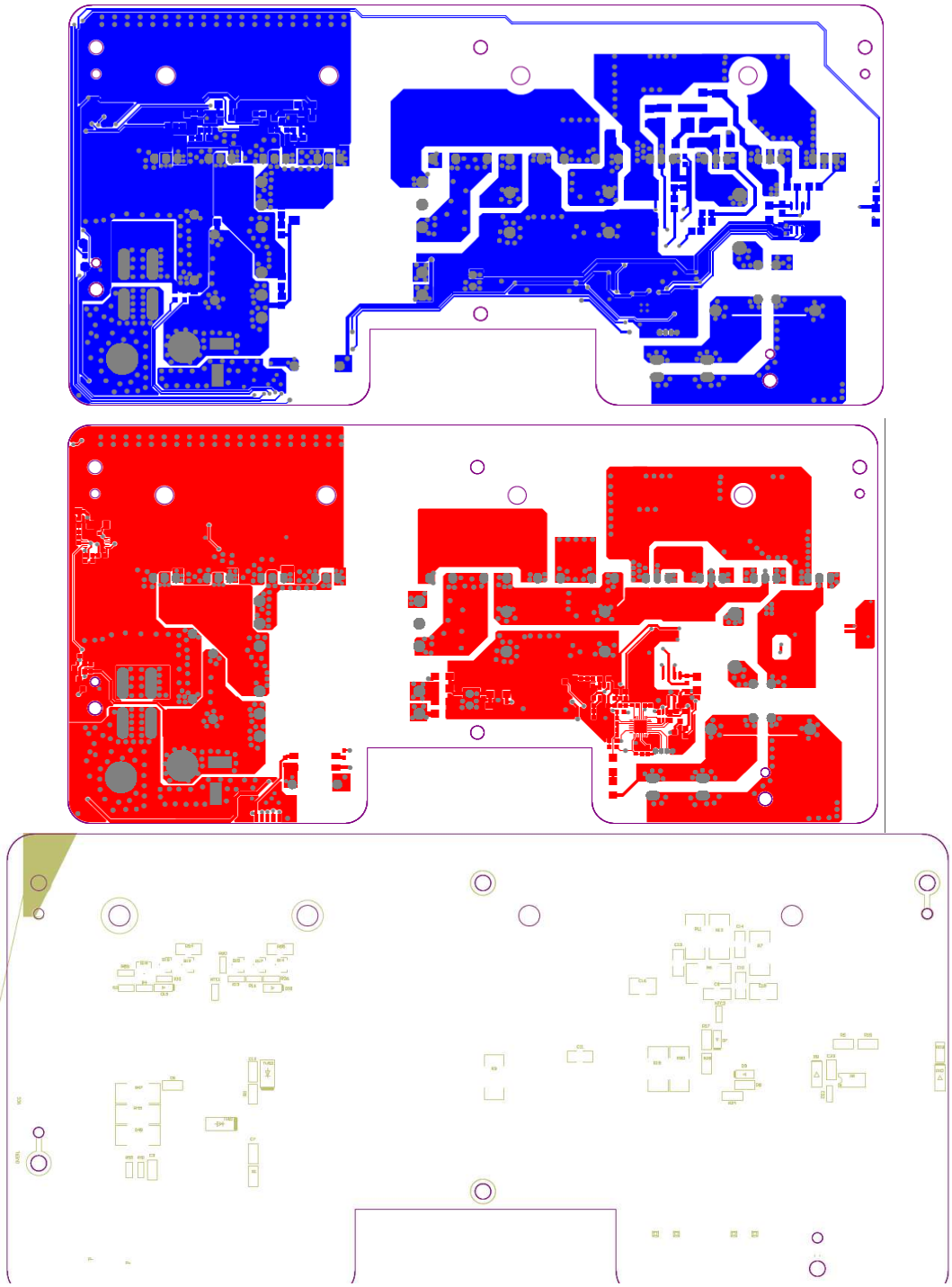
Appendix: PCB layout



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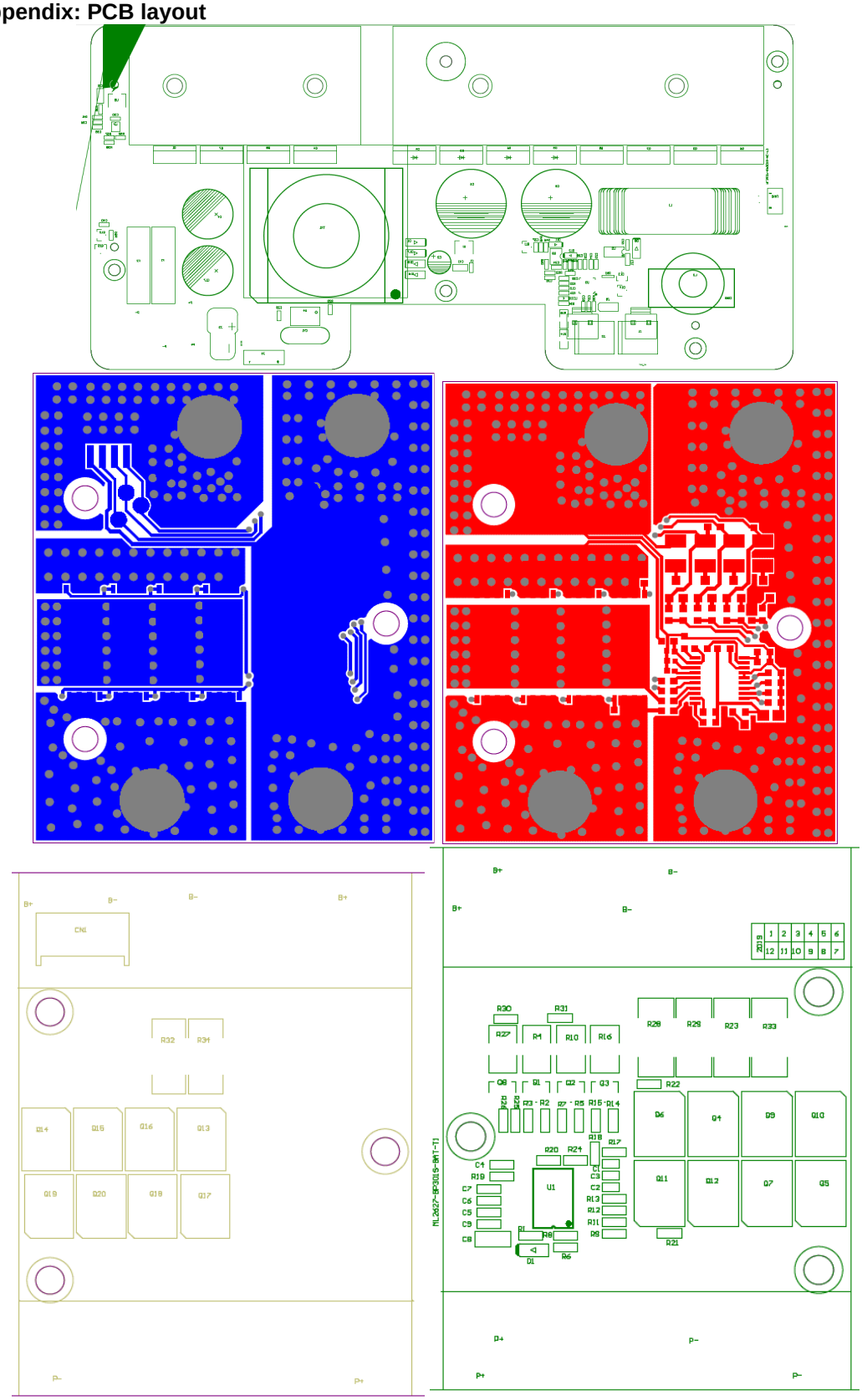
Appendix: PCB layout



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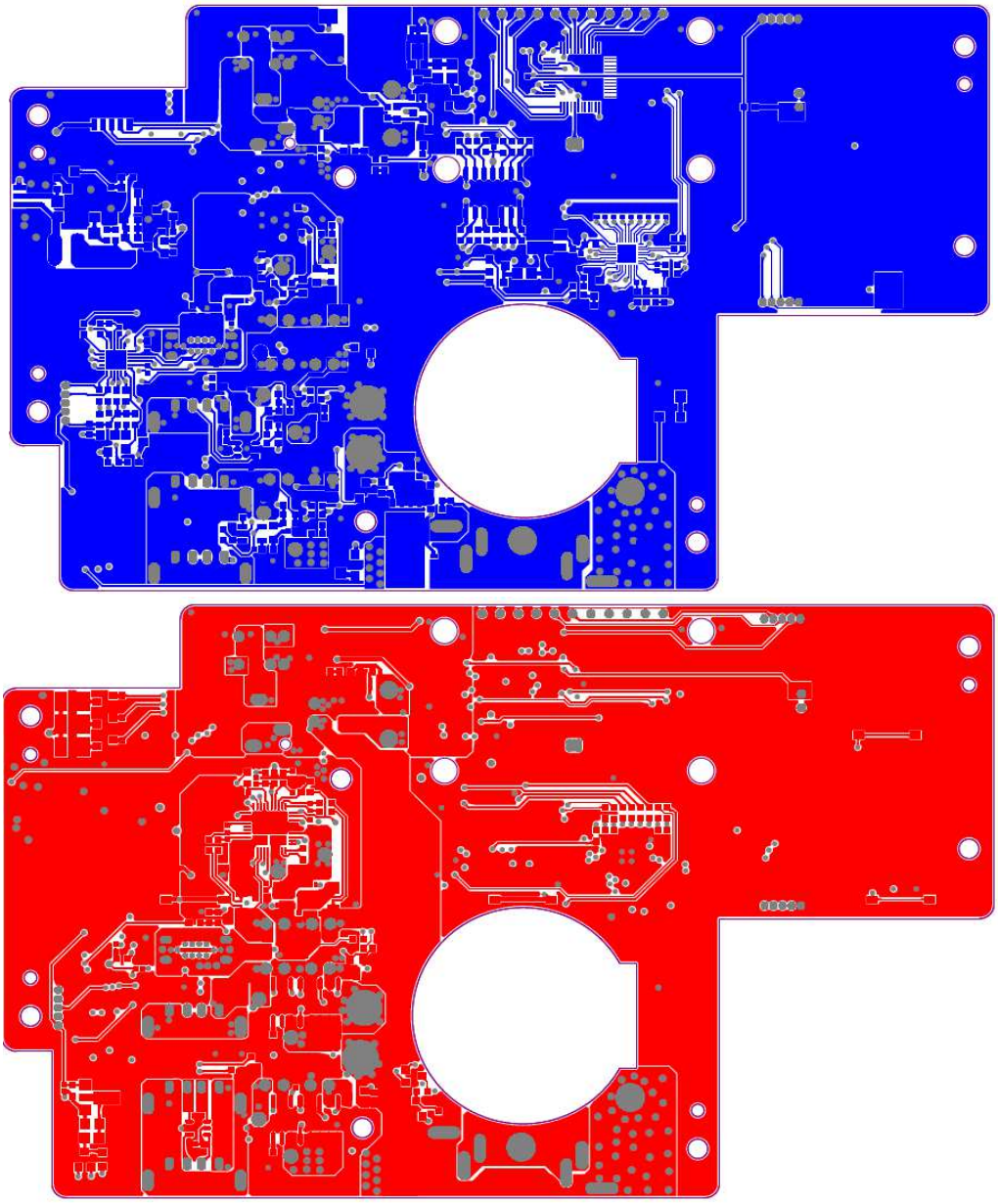
Appendix: PCB layout



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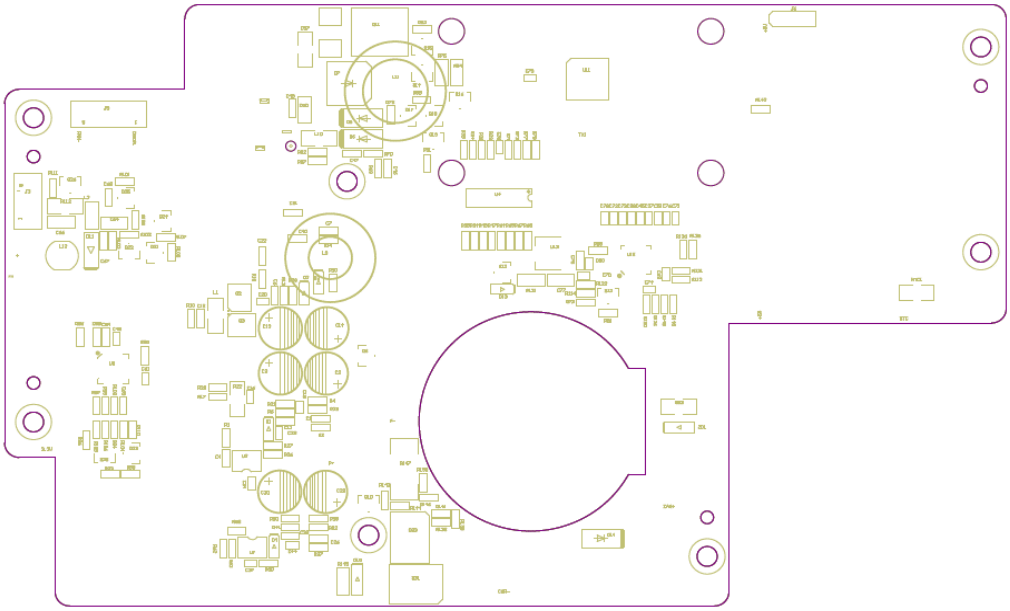
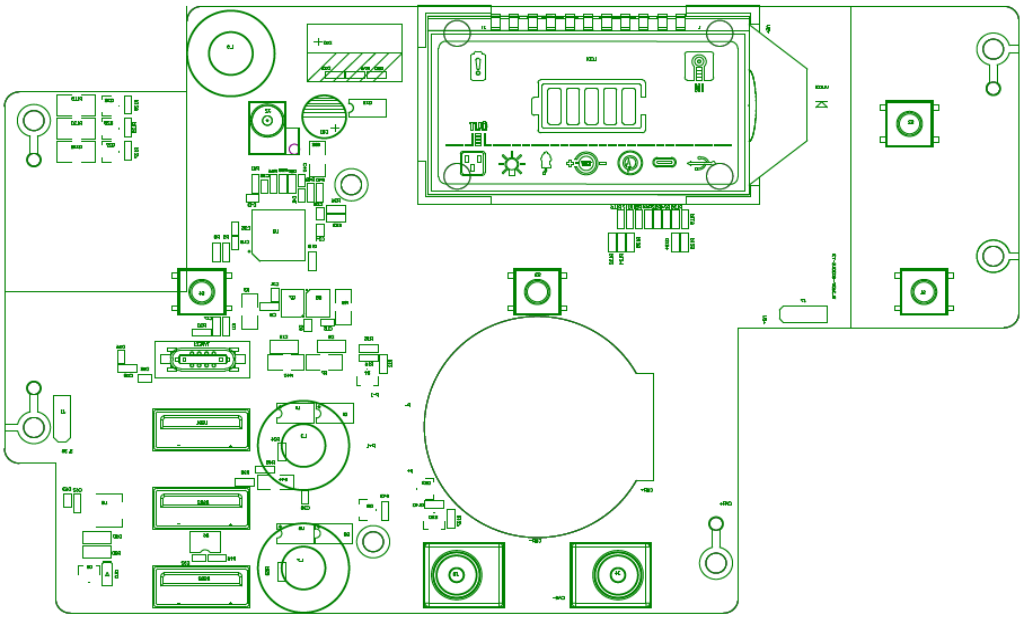
Appendix: PCB layout





TEST REPORT

Appendix: Specification of cell

NO.	Items/项目	Specifications/规格	Remark/备注
1	Nominal voltage 标称电压	3.8V	\
2	Charge cut-off voltage 充电截止电压	4.2V	\
3	Charge cut-off current 充电截止电流	0.02C	\
4	Discharge cut-off voltage 放电截止电压	3.0V	\
5	Rated Capacity 标称容量	10000mAh	@0.2C Discharge 0.2C 放电
6	Minimal Capacity 最小容量	9000mAh	@0.2C Discharge 0.2C 放电
7	Standard Charge Time 标准充电电流	0.5C	\
8	Max charge current 最大充电电流	1.0C	\
9	Standard Discharge Time 标准放电电流	1.0C	\
10	Max Dicharge current 最大放电电流	30A	\
11	Operating temperature 工作温度	Charging 充电：0℃~55℃ Discharging 放电：-22℃~55℃	\
12	Cell Weight 电池重量	约 203g	Reference 参考
13	Storage Condition 储存条件	Temperature：1 month: -10~40℃； 3 month: -10~35℃；1 year: -10~25℃ Humidity: ≤75%RH 温度：1 个月（-10~40℃）；3 个月（-10~35℃）；1 年（ -10~25℃） 湿度：≤75%RH	The battery should cycle once in three month. 电池应 3 个月循环一次

TEST REPORT

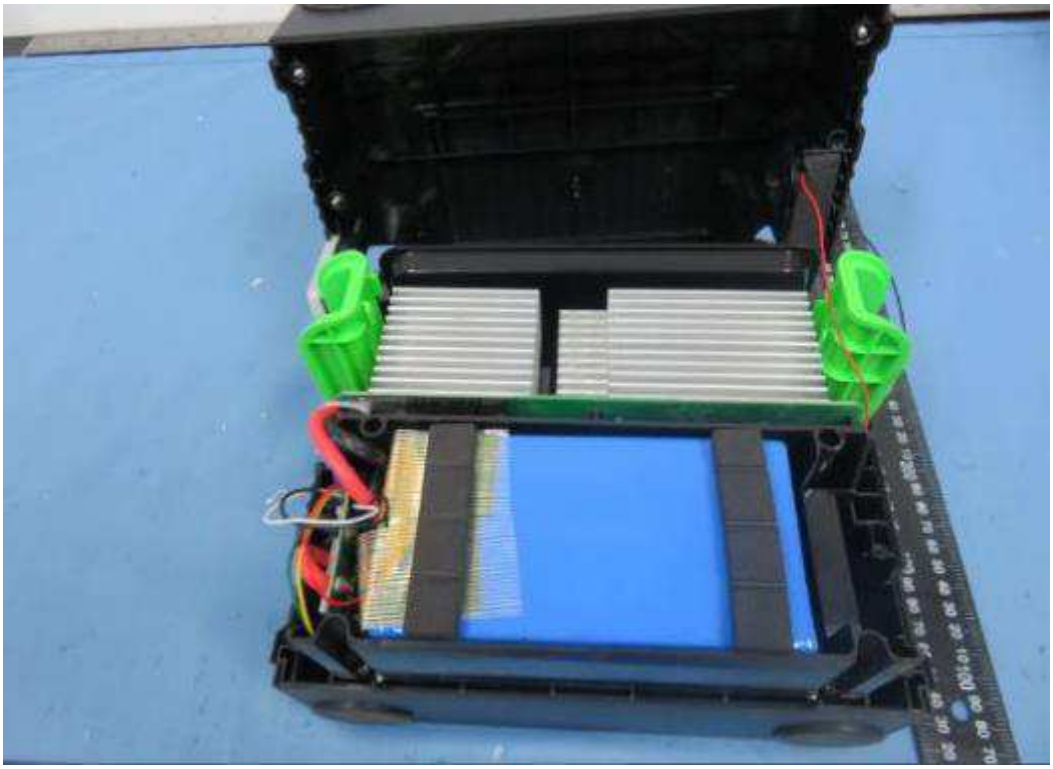
Photo of the appliance:

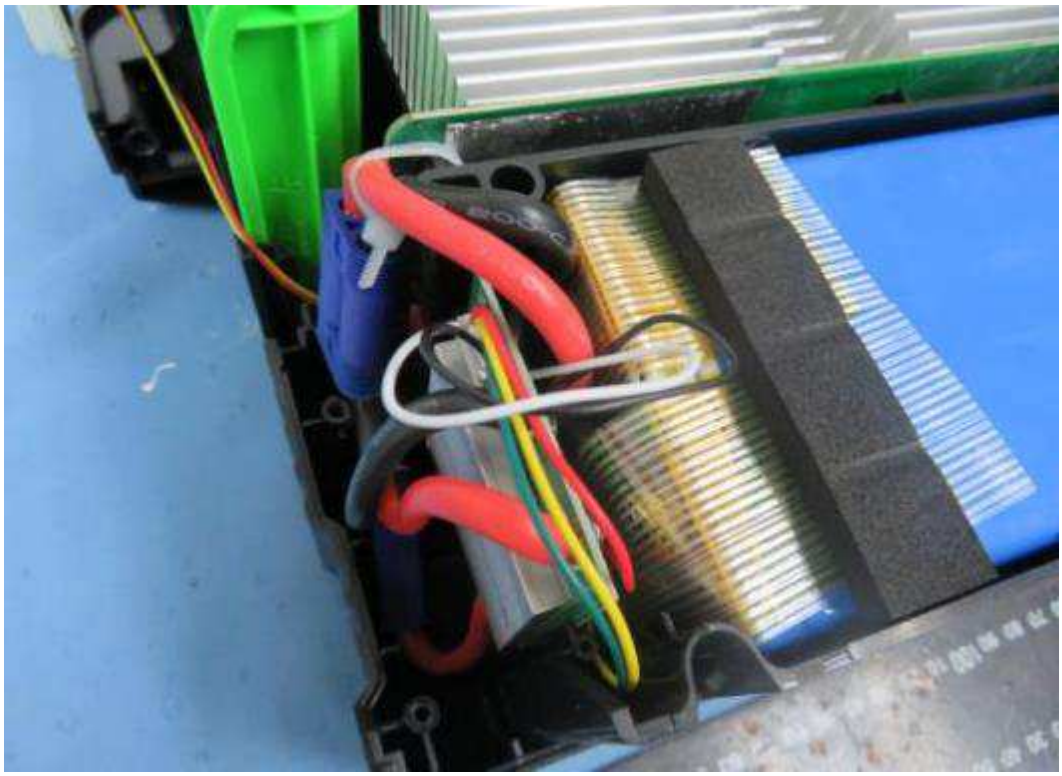
TEST REPORT

Photo of the appliance:

TEST REPORT

Photo of the appliance:





TEST REPORT

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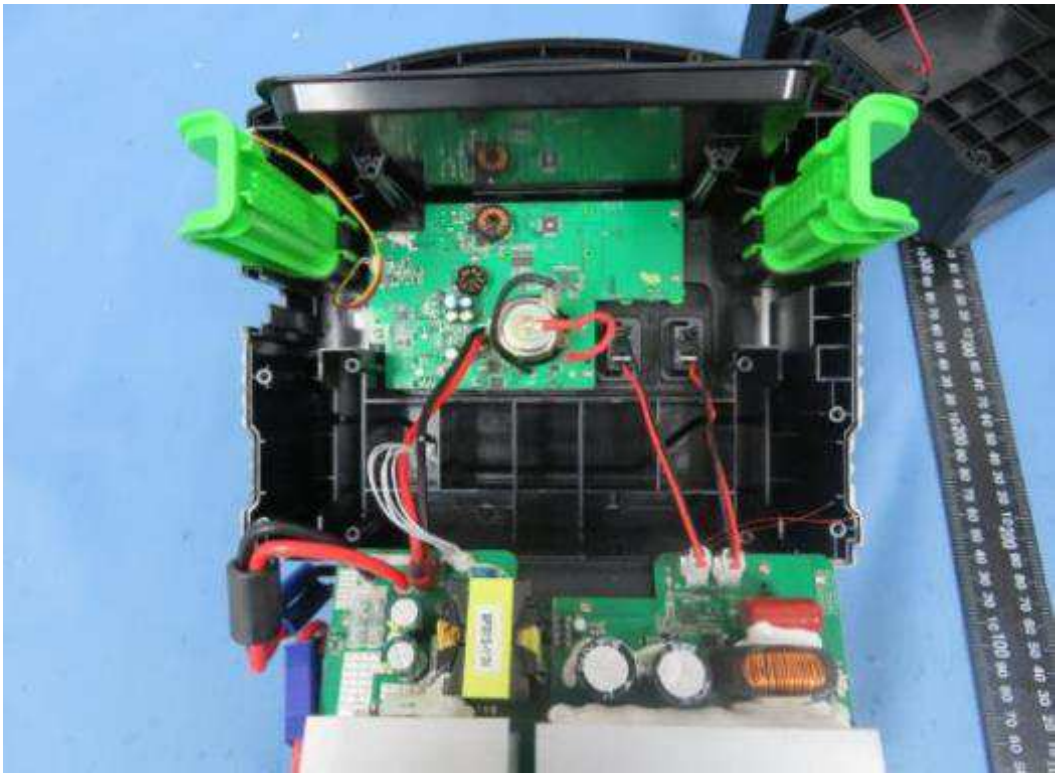

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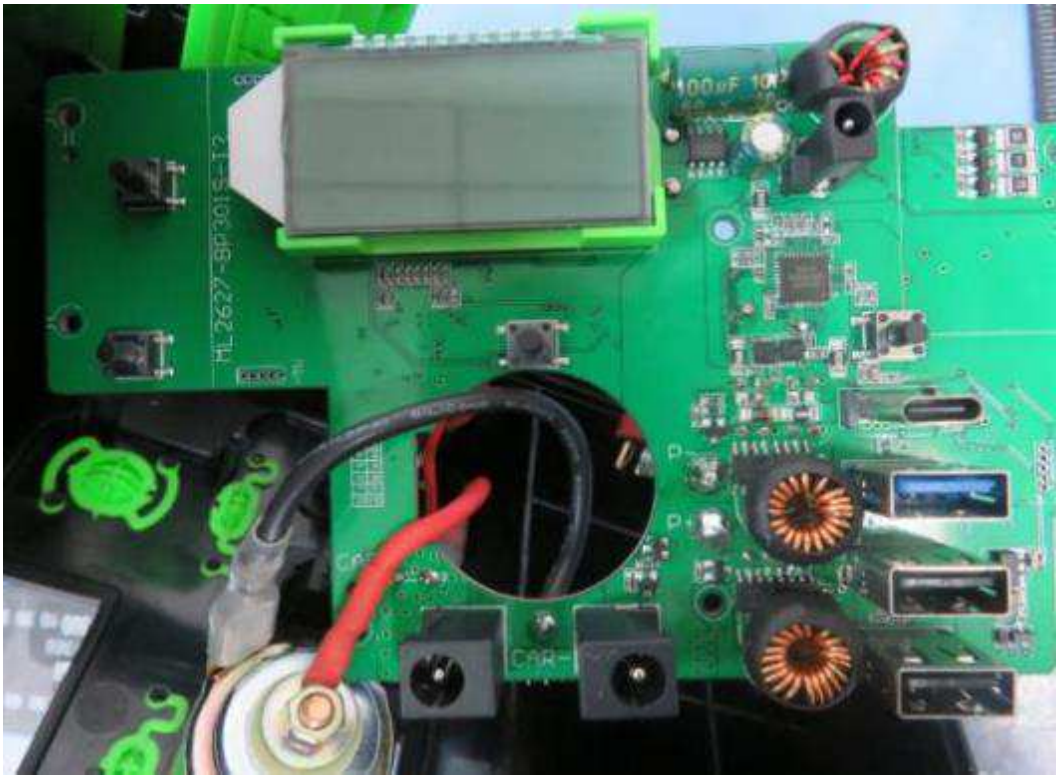

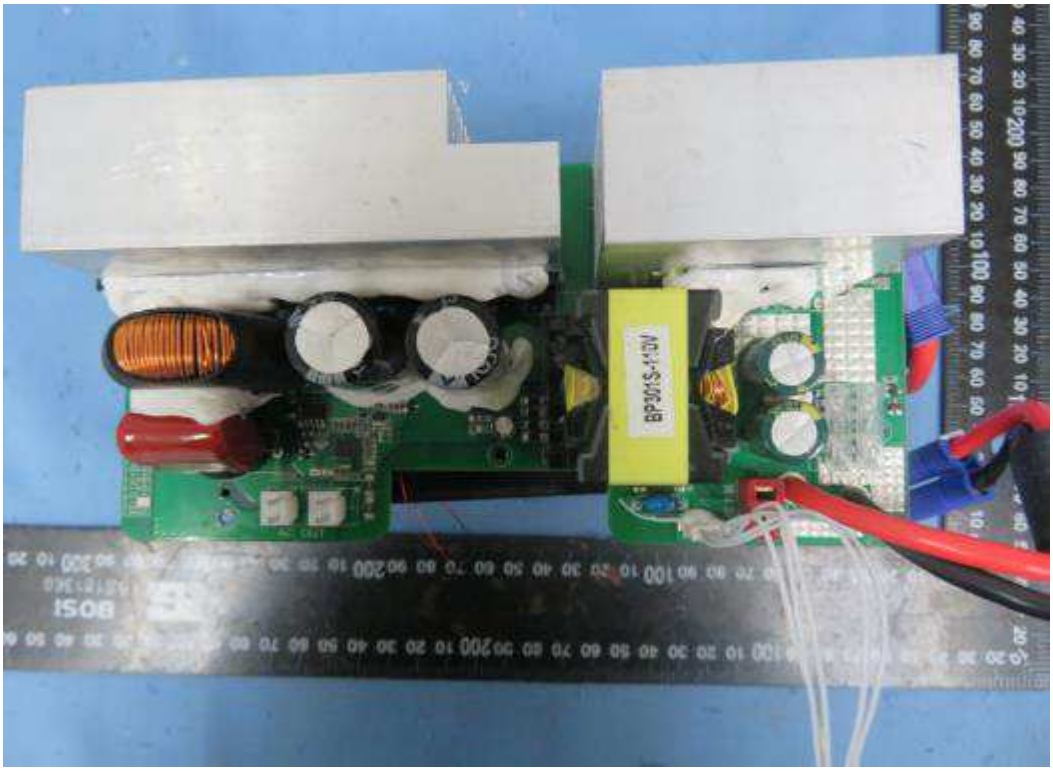

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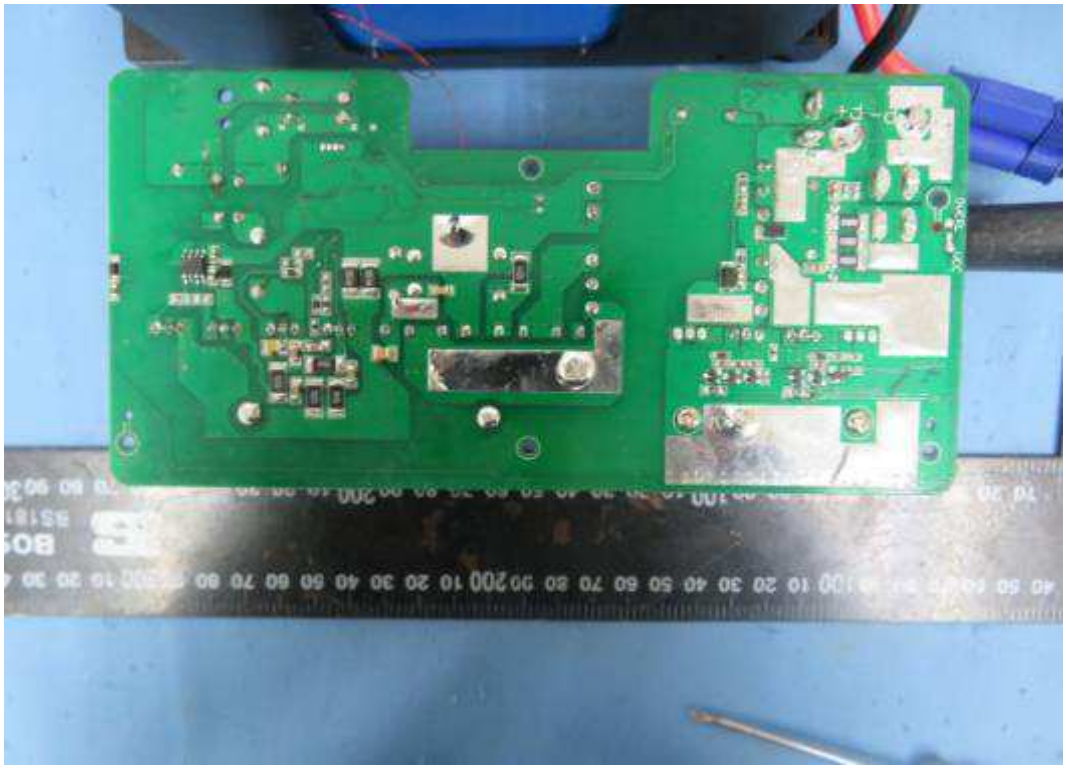

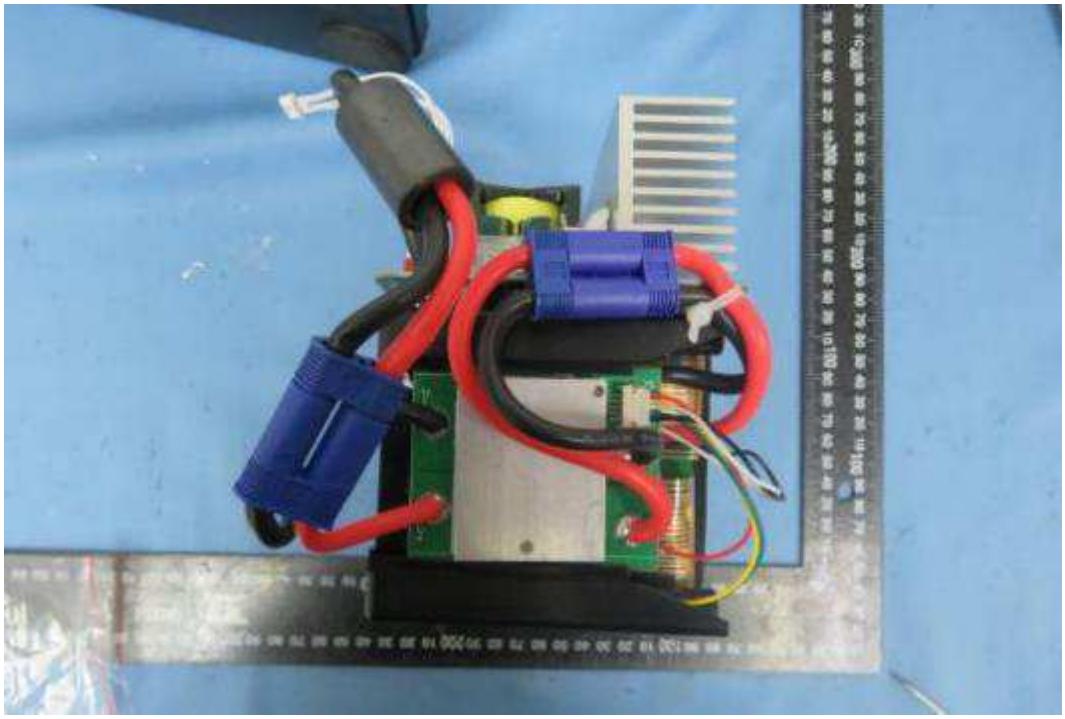

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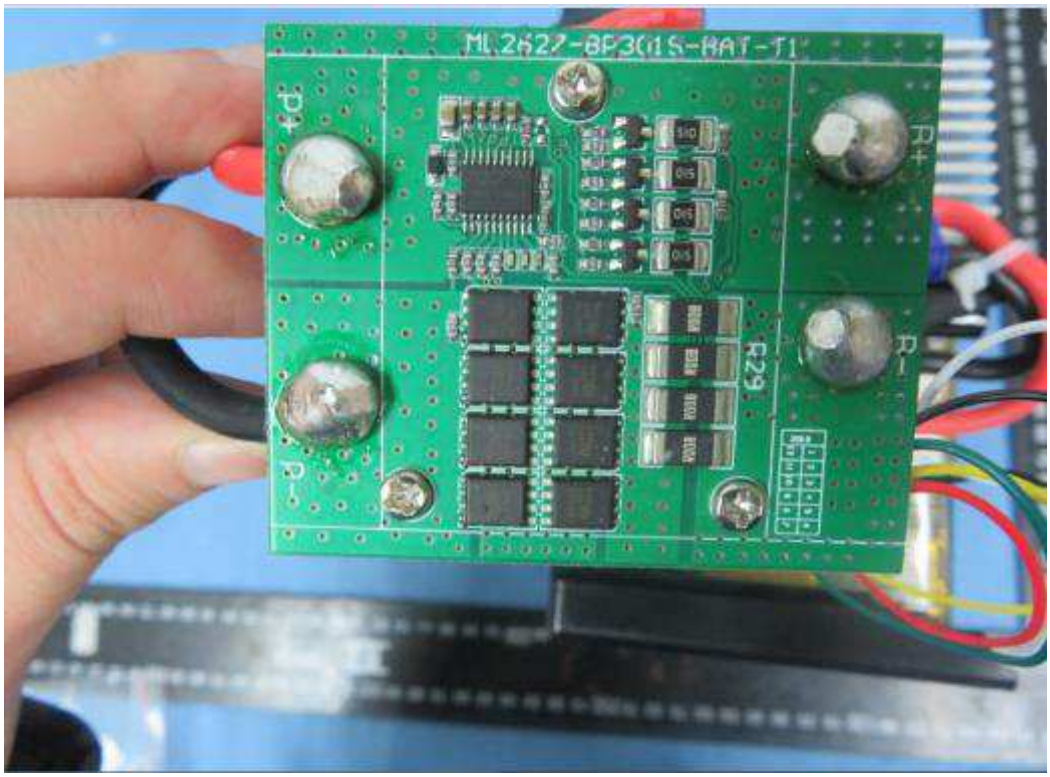
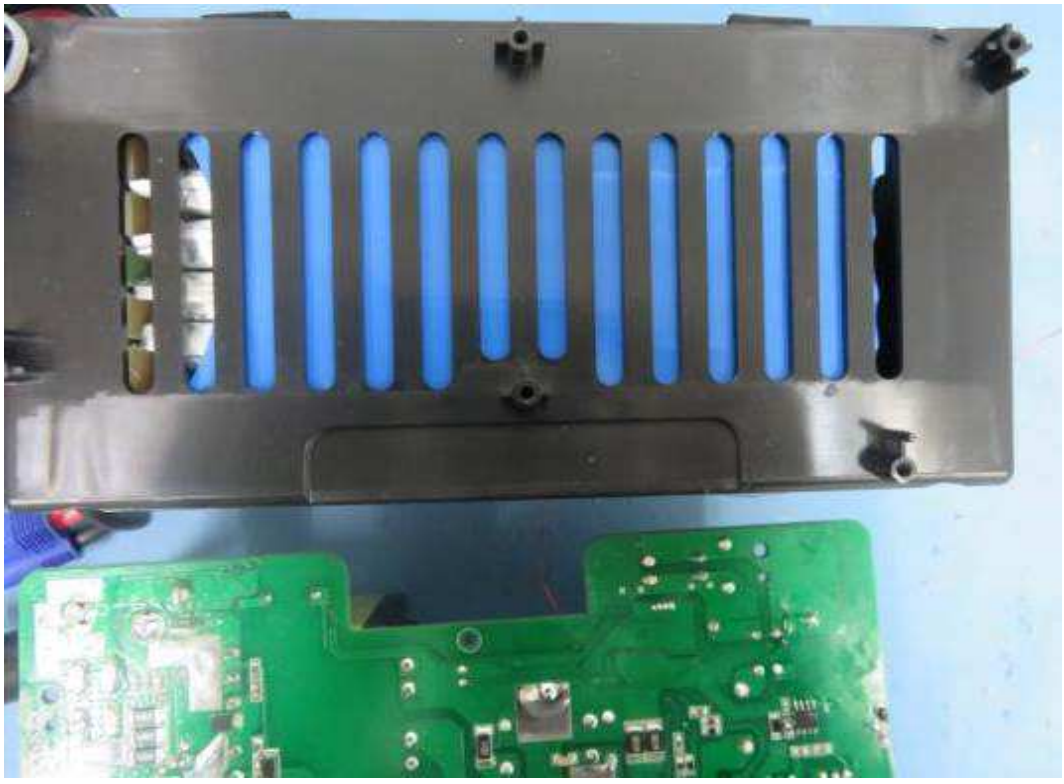


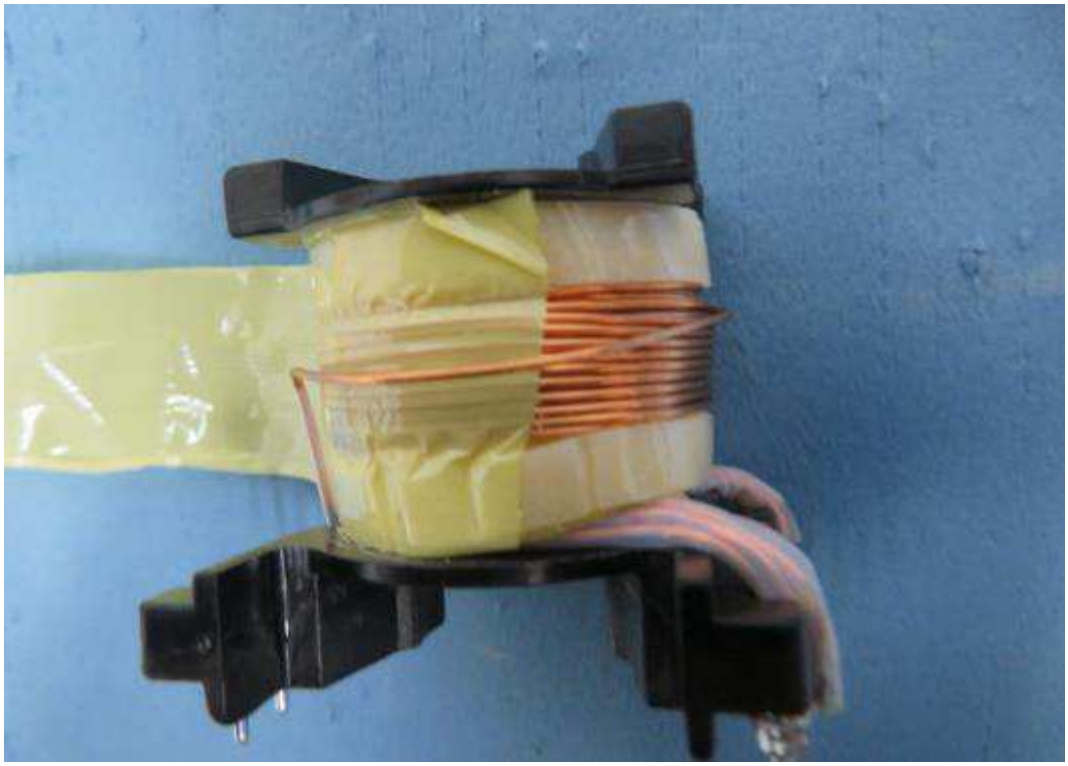


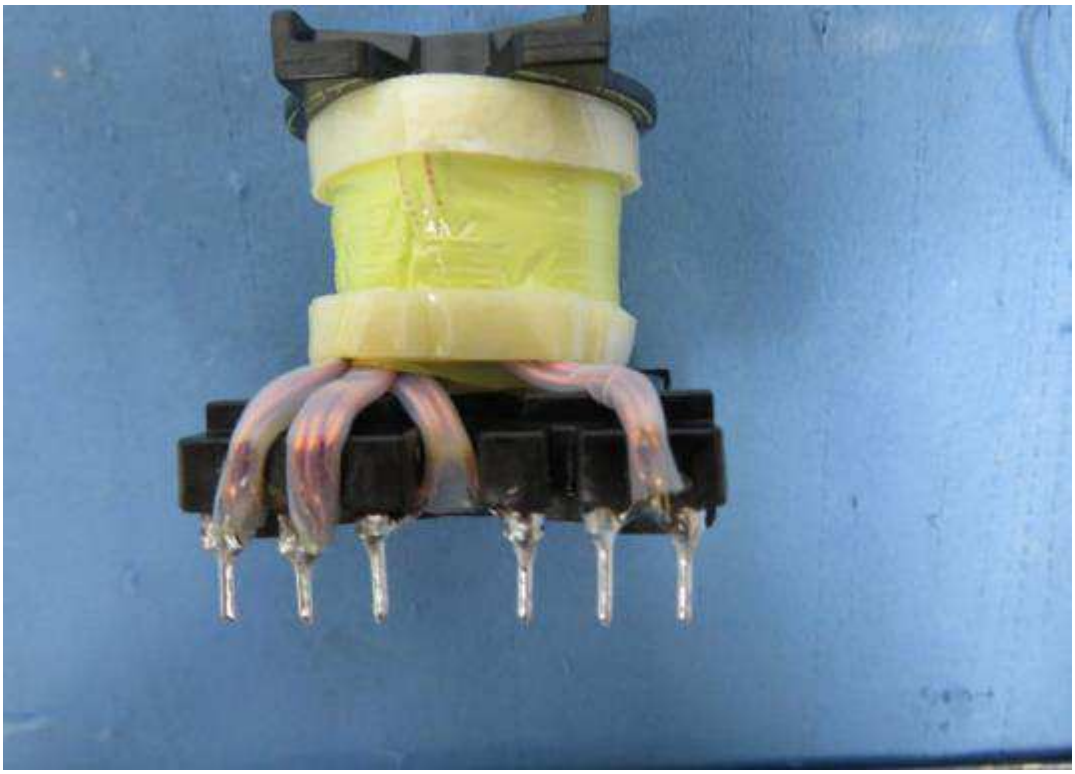
TEST REPORT

Photo of the appliance:

TEST REPORT

Photo of the appliance:





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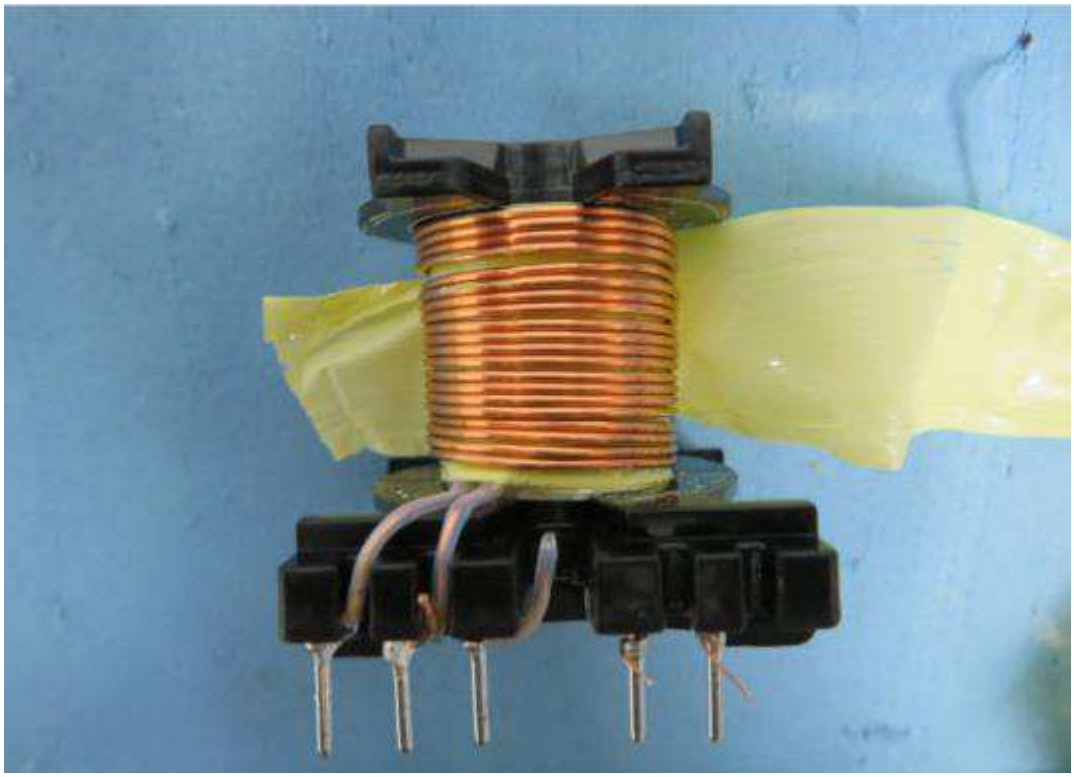

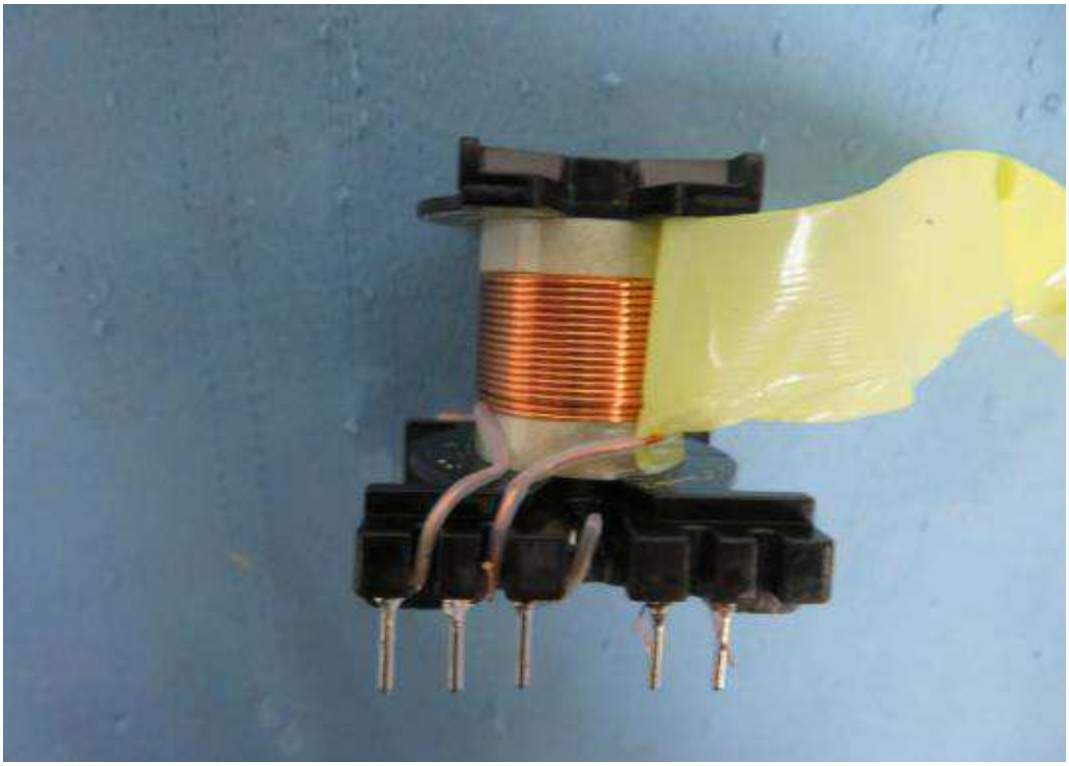

TEST REPORT

Marking for model BP301S:(As representative)

Portable Power Station
Model: BP301S
DC Input: 18V/3A
Type-C Output: 5Vdc/ 3A, 9Vdc/3A, 12Vdc/3A, 15Vdc/3A, 20Vdc/2.25A
USB output 1: 5Vdc/ 3A, 9Vdc/2A, 12Vdc/1.5A
USB output 2/3: 5Vdc/ 3.1A(2.4A Max. per port)
DC output: 12Vdc-16.8Vdc, 12A(10A Max. per port)
AC output: 110V/300W/60Hz
Battery Capacity: 296Wh
Working temperature : 0~40°C

C ETL US
Intertek
5011081

CERTIFIED TO ANSI/CAN/UL STD 2743
202001

Guangdong Boltpower Energy Co., Ltd

Warning:

AVERTISSEMENT:

a. Do not overcharge the internal battery ---See Instruction Manual.
Ne pas surcharger la batterie interne. Consulter le manuel d'utilisation.

b. Do not smoke, strike a match, or cause a spark in the vicinity of the power pack.
Il ne faut pas fumer, allumer une allumette ou produire des étincelles à proximité du bloc d'alimentation.

c. Only charge the internal battery in a well ventilated area.
Charger la batterie uniquement dans un endroit bien aéré.

d. Risk of Injury To Persons. Do not use this product if the output cord or device are damaged in any way.
Risque de blessure aux personnes. Ne pas utiliser ce produit si le cordon d'alimentation ou les cables de batterie sont endommagés de quelque façon.

e. This device is not intended for use in a commercial repair facility.
Le dispositif n'est pas destiné à être utilisé dans un atelier de réparation commercial.

f. This device is intended to be used indoors only. Do not use outdoors.
Le dispositif est destiné à être utilisé à l'intérieur seulement. Ne pas l'utiliser à l'extérieur.

TEST REPORT

Safety user manual in English:

MUST READ

Please read the instruction manual carefully before any operation on this power station. This device contains battery product that may cause personal injures if not used properly. If you are uncertain or have questions operating this device, please contact our customer service team at BOSALYservice@g-mail.com

WARNING

Please be responsible and read the instructions in detail. Pay full attention and cautionary statements associated to your AC devices when attach to the power station.

ATTENTION

The purpose of this instruction is to guide you as to how to operate this device. As from time to time, the operating software may be revised for the latest revision. As for functions, features and benefits will remain the same. All photos shown in the instruction are for reference only, as it may subject to change.

INTRODUCTION

Thank you for purchasing our 300W Portable Power Station. It has 2 AC outlets and several DC outputs to suit different applications, and it meets your demand of most power equipment, such as mobile phones, notebook, cameras, CD players, various chargers, game machines, DVD players and electric tools. It is also the suitable choice for home applications during an emergency situation, camping or job sites as a backup power supply to solve temporary electricity problems.

This products generate PURE SINE WAVE at the AC ports, suitable for all AC conventional or sensitive electronics applications.

***Regarding actual AC output specifications will be customized according to different countries, regions and users.**

If AC device has short circuit or more power required than the rated output on power station, will trigger the device to protect itself on short circuit or over load condition.

⚠ **AC load shall not exceed 300W rated power, otherwise it will self-protect.**

※ 1. When the product is not in used, please press corresponding key or long press the 'POWER' key for 2s to conserve power.
2. Turn off each outlet by pressing its power button as it does not turn off automatically or it will drain the battery out.

USAGE AND HANDLING GUIDELINES

(1) If the product is stored for more than 3 months, please recharge the product for maximum performance.
(2) Using a charger produced by non-OEM manufacturing, may cause damage to this power station.
(3) This product is not allowed to be near a heated source.
(4) Please use approved accessories from factory.
(5) Do not use this product beyond the rated load.
(6) Use this product in a well-ventilated environment.
(7) Do not store or use it in a place exposed to direct sunlight or near heating appliances.
(8) Do not attempt to open the device to avoid the danger of electric shock and fire.

WARNINGS

- This device is not intended for use by unsupervised children.
- Do not use as a toy.
- Do not let the equipment get wet.
- Do not immerse the device in water.
- Do not expose the device to high temperatures.
- If battery leakage occurs, and if skin or eye accidentally got contact, rinse immediately with water and seek medical advice.

DISCLAIMER

(1) The company does not assume any responsibility for problems caused by improper operation.
(2) The company does not assume any responsibility for the damage caused by self-disassembly and instinstallation.
(3) If the use of a mismatched charger causes problems, the company will not bear any responsibility.
(4) The company does not assume any responsibility for products that exceed the warranty period.

STATEMENT OF LIMITED WARRANTY

Our company warrants that each device 1) is free from defects in materials and workmanship and 2) conforms to our company's official Published Specifications which are available on request. The warranty period for the device starts on original date of purchased; one (1) year parts and labor for the entire unit except for the battery which has a six (6) months warranty. The date on your invoice or sales receipt is the date of purchased unless our company or your reseller informs your otherwise. Unless our company specifies otherwise, these warranties apply only in the country or region in which you purchased the device.

THESE WARRANTIES ARE YOUR EXCLUSIVE WARRANTIES AND REPLACE ALL OTHER WARRANTIES OR CONDITIONS. EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO. THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SOME STATES OR JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF EXPRESS OR IMPLIED WARRANTIES, SO THE ABOVE EXCLUSION MAY APPLY TO YOU. IN THE EVENT, SUCH WARRANTIES ARE LIMITED IN THE DURATION TO THE WARRANTY PERIOD. NO WARRANTIES APPLY AFTER THAT PERIOD. SOME STATES ORJURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONMAY NOT APPLY TO YOU.

This warranty does not cover the following:

- failure resulting from misuse, accident, modification, unsuitable physical or operating environment, or improper maintenance by you.
- failure caused by a product for which our company is not responsible; and any non our company approved products.
- the warranty is voided by removal or alternation of identifications labels on the device or its parts.
- for warranty claims or repair. please contact your local reseller or authorized distributor for further information.
- any manufacture detects that are under normal operation circumstance.

TEST REPORT

Safety user manual in French:

DOIT LIRE

Veuillez lire le manuel d'instructions carfelly avant toute opération sur cette centrale. Cet appareil contient une batterie qui peut provoquer des blessures s'il n'est pas utilisé correctement. En cas de doute ou si vous avez des questions sur l'utilisation de cet appareil, veuillez consulter votre revendeur ou votre revendeur local.

AVERTISSEMENT

Soyez responsable et lisez les instructions en détail. Portez toute l'attention et la mise en garde associées à vos appareils CA lorsqu'ils sont connectés à la centrale électrique.

ATTENTION

Le but de cette instruction est de vous guider sur la façon d'utiliser cet appareil. De temps en temps, le logiciel d'exploitation peut être révisé pour la dernière révision. Quant aux fonctions, les caractéristiques et les banefits resteront les mêmes. Toutes les photos présentées dans les instructions sont fournies à titre indicatif uniquement, car elles peuvent être modifiées.

INTRODUCTION

Merci d'avoir acheté la PORTATIVE POWER STATION. Il dispose de 2 prises CA et de plusieurs sorties CC pour répondre à différentes applications, et il répond à votre demande de la plupart des équipements électriques, tels que les téléphones portables, les ordinateurs portables, les outils électriques. C'est également le choix approprié pour les applications domestiques lors d'une situation d'urgence, le camping ou les chantiers comme alimentation de secours pour résoudre les problèmes d'électricité temporaires.

Ces produits génèrent une onde sinusoïdale PURE sur les ports AC, adaptée à toutes les applications électroniques conventionnelles ou sensibles AC.

DIRECTIVES D'UTILISATION ET DE MANIPULATION

1. Si le produit est stocké pendant plus de 3 mois, veuillez recharger le produit pour des performances maximales.
2. Utilisation d'un chargeur produit par des fabricants non OEM. peut endommager cette centrale.
3. Ce produit ne doit pas être à proximité d'une source chauffée.
4. Veuillez utiliser des accessoires approuvés par l'usine.
5. N'utilisez pas ce produit au-delà de la charge nominale.
6. Utilisez ce produit dans un environnement bien ventilé.
7. Ne pas stocker ou utiliser dans un endroit exposé à la lumière directe du soleil ou à proximité d'appareils de chauffage.
8. N'essayez pas d'ouvrir l'appareil pour éviter tout risque de choc électrique et d'incendie.

AVERTISSEMENT

Cet appareil n'est pas destiné à être utilisé par des enfants non surveillés.
Ne pas utiliser comme jouet.
Ne laissez pas l'équipement se mouiller.
N'immergez pas l'appareil dans l'eau.
N'exposez pas l'appareil à des températures élevées.
En cas de fuite de la batterie et en cas de contact accidentel avec la peau ou les yeux, rincer immédiatement à l'eau et consulter un médecin.

AVERTISSEMENT

1. La société n'assume aucune responsabilité pour les problèmes causés par un mauvais fonctionnement.
2. La société n'assume aucune responsabilité pour les dommages causés par l'auto-démontage et l'installation.
3. Si l'utilisation d'un chargeur non compatible cause des problèmes, la société n'assumera aucune responsabilité.
4. La société n'assume aucune responsabilité pour les produits dépassant la période de garantie.

DÉCLARATION DE GARANTIE LIMITÉE

Notre société garantit que chaque appareil 1) est exempt de défauts de matériaux et de fabrication et 2) est conforme aux spécifications officielles publiées par notre société, disponibles sur demande. La période de garantie de l'appareil commence à la date originale d'achat; un (1) an pour les pièces et la main-d'œuvre pour l'ensemble de l'unité à l'exception de la batterie qui a une garantie de six (6) mois. La date figurant sur votre facture ou reçu de vente est la date d'achat, sauf indication contraire de notre société ou de votre revendeur. Sauf indication contraire de notre société. ces garanties s'appliquent uniquement dans le pays ou la région où vous avez acheté l'appareil.

CES GARANTIES SONT VOS GARANTIES EXCLUSIVES ET REMPLACENT TOUTES LES AUTRES GARANTIES OU CONDITIONS. EXPRESSE OU IMPLICITE, Y COMPRIS MAIS SANS S'Y LIMITER. LES GARANTIES OU CONDITIONS IMPLICITES DE QUALITÉ MARCHANDE ET D'ADÉQUATION À UN USAGE PARTICULIER, CERTAINS ÉTATS OU JURIDICTIONS NE PERMETTENT PAS L'EXCLUSION DE GARANTIES EXPRESSES OU IMPLICITES, DONC L'EXCLUSION CI-DESSUS PEUT S'APPLIQUER À VOUS. DANS CE CAS, CES GARANTIES SONT LIMITÉES DANS LA DURÉE DE LA PÉRIODE DE GARANTIE. AUCUNE GARANTIE NE S'APPLIQUE APRÈS CETTE PÉRIODE. CERTAINS ÉTATS ORJURIDICTIONS NE PERMETTENT PAS DE LIMITATIONS SUR LA DURÉE D'UNE GARANTIE IMPLICITE, DONC LA LIMITATION CI-DESSUS PEUT NE PAS S'APPLIQUER À VOUS.

/End of test report/