

Zhengzhou DYU Technology Co., Ltd. PROJECT NUMBER: SZ-CERT230701946

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Revised: None

620 Old Peachtree Road NW, Suite 100, Suwanee, GA 30024 USA (770) 570-1800

Test Report Number: SZES230500317761

A representative sample of the product covered by this report has been evaluated and found to comply with the applicable requirements of STANDARD FOR SAFETY for Electrical Systems for eBikes, ANSI/CAN/UL2849:2020, 1st Edition, dated January 2, 2020, revised June 17, 2022.

| Issuing Laboratory: | SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch | | |
|---------------------------------|--|--|--|
| Address: | No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China | | |
| Applicant (Certificate Holder): | Zhengzhou DYU Technology Co., Ltd. | | |
| Address: | 810, Zone B, Science and Technology Park, Yellow River Institute of Science and Technology (South District), No. 123, Lianyun Road, Erqi District, Zhengzhou, 450000, Henan, China | | |
| Contact Details: | Tian Jinliang | | |
| | Phone: +86-15016742339 | | |
| | Email: tjl@fwheel.cn | | |
| Manufacturer | Shenzhen DYU Intelligent Mobility Technology Co., Ltd. | | |
| Address: | Rm. 21G01, Block A, Buliding I, AHOKE(Anhongji) Plaza, Zhongmei Road, Minzhi Street, Longhua District, Shenzhen, 518000, Guangdong, China | | |
| Contact Details: | Tian Jinliang | | |
| | Phone: +86-15016742339 | | |
| | Email: tjl@fwheel.cn | | |
| Factory 1 | DYU (Huizhou) Intelligent Transportation Technology Co., Ltd. | | |
| Address: | Building One, Factory Site 4, Sanxu Village Committee and Meihua Village Committee, Luoyang Street, Boluo County, Huizhou, Guangdong, China | | |
| Contact Details: | Tian jinliang | | |
| | Phone: +86-15016742339 | | |
| | Email: tjl@fwheel.cn | | |
| | | | |



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Factory 2.....: Huizhou Xidesheng Bicycle Co., Ltd.

Guangdong, China

Contact Details Tian jinliang

Phone: +86 15016742339

Email: tjl@wheel.cn



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Product Type....: eBikes (Product name: Smart E Bike)

Trade Mark....: DYU (for model D3F, D3FP, D2+, D2plus, D3+, D3plus, S2, S3),

JETSON (for model BOLT14, BOLT PRO, BOLT-14IN, 1426314,

RUSH, RUSH PRO, LX10, AXLE12), Urbanglide (for model BIKE-140AE),

ANCHEER (for model AMA005183_P_W, AMA005183_P_B),

EMO (for model S1, S5),

EFans (for model Trac pro, EFEBK001)

Product description: Battery type: [x] Lithium [] Lead-acid [] Nickel

[] self-balancing [x] not self-balancing

[x] Provided with handle for grasping while riding

Model Number(s)....: D3F, D3FP, BOLT14, BOLT PRO, BOLT-14IN, S1, BIKE-140AE, S5,

> AMA005183 P W, AMA005183 P B, 1426314, S2, RUSH, S3, RUSH PRO, D2+, D2plus, D3+, D3plus, Trac pro, EFEBK001, LX10,

AXLE12

Model Differences: All models have multiple colors, the model D3F is the basic model;

The model LX10, AXLE12, D3FP, BOLT14, BOLT PRO, BOLT-14IN,

S1, BIKE-140AE, S5, AMA005183 P W,

AMA005183_P_B,1426314, D2+, D2plus, D3+, D3plus, Trac pro and

EFEBK001 are identical to D3F except for model number and / or

trademark;

The model S2, RUSH, S3 and RUSH PRO are identical to D3F

except for model number and frame.

Each model with the following configuration:

| Battery model | HA103 NZ7281003 | | 7281003 | JT-EBB10-03 | | |
|------------------|--|--|-----------|--|-----------|--|
| Controller model | UD3-UL (manufacture d by Taotao) | | | UD3-UL (manufactured by Changzhou taochen Electronic Technology Co., Ltd.) | | |
| Charger model | JY-420150 | | | PS65D420Y1500S | | |
| | 10 inches | | 12 inches | | 14 inches | |
| Tires size | Notes: Each with motor No. ZW-36V-350W or ZW-36V-250W (PHL0236V250W) | | | | | |

Electrical Ratings...... Nominal Voltage: 36 Vdc

Rated Capacity: 6 Ah or 10Ah



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|----------------------------------|---|--|--|
| Other Ratings: | Max. speed: 25 km/h | | |
| | Max. load: 120 kg | | |
| | Charge Temperature: 0 – 40°C | | |
| | Discharge Temperature: -10 – 40°C | | |
| Accessories | Battery Charger: | | |
| | Model JY-420150, made by GUANGZHOU JI YIN HENG BA ELECTRONICS CO LTD; Input: 100-240Va.c., 50/60Hz, 2.0A; Output: 42Vd.c., 1.5A Max; UL listed (E480338) Model PS65D420Y1500S, made by SHENZHEN FLYPOWER TECHNOLOGY CO LTD; Input: 100-240Va.c., 50/60Hz, 1.5A; Output: 42Vd.c., 1.5A; UL listed (E302944) | | |
| Testing Laboratory: | SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch | | |
| Address: | No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China 518057 | | |
| | No. 2, Jianghao Industrial Factory Area, No.430, Jihua Road, Bantian Street, Longgang District, Shenzhen, Guangdong, China | | |
| Date of receipt of test item: | : Original:2020-03-30, 2021-01-25, 2021-06-28, 2022-10-31; 2023-06-26 | | |
| Date(s) of performance of tests: | Original: 2020-04-07 to 2020-05-15, 2021-02-07 to 2021-04-15, 2021-06-30 to 2021-08-16, 2022-11-01 to 2022-11-11; | | |
| | 2023-06-27 to 2023-07-06 | | |
| Certification Conditions | N/A | | |
| (X Condition) | | | |
| Component Conditions | N/A | | |
| (U Condition): | | | |

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CO-LISTING PAGE

CO-LISTING APPLICANT I

Applicant's Name: Jetson Electric Bikes LLC

Address: 86 34th Street 4th Floor, 11232,

Brooklyn, New York, United States of America

Primary Contact: Ronnie Chen

Phone: +1 646 464 1557

<u>Fax:</u> ---

Email: ronnie@ridejetson.com

Product Correlation:

| Basic Models | Co-Listed Models | Note any differences between Basic and Co-Listed models | | |
|----------------------|---|---|--|--|
| BOLT PRO | BOLT PRO | No difference | | |
| 1426314 | 1426314 | No difference | | |
| BOLT14 | BOLT14 | No difference | | |
| BOLT-14IN | BOLT-14IN | No difference | | |
| D3F (trademark: DYU) | JBLTP-BLK (trademark: JETSON) | Identical except trademark and model | | |
| S2 | AXLE 10, JAXL10-BLK, JAXL10- RED, JAXL10-BLU, JAXL10-XXX (XXX stands for different color) | No difference except for trademark and model number | | |
| RUSH | RUSH | No difference | | |
| S3 | AXLE, JAXL12, JRSH12-BLK, JRSH12-XXX (XXX stands for different color) | No difference except for trademark and model number | | |
| RUSH PRO | RUSH PRO | No difference | | |
| LX10 | LX10 | No difference | | |
| AXLE12 | AXLE12 | No difference | | |



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Povised: None

| | | | Revised: None |
|--------------------------------|------------------|--------------------|-------------------------------|
| CO-LISTING APPLICANT II | | | |
| Applicant's Name: | | | |
| Address: | | | - |
| | | | • |
| Primary Contact: | | | • |
| Phone: | | | • |
| Fax: | - | | . |
| Email: | | | - |
| Product Correlation: | | | - |
| Basic Models | Co-Listed Models | Note any different | ences between Basic models |
| 1. | | | |
| 2. | | | |
| 3. | | | |



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GENERAL INFORMATION

Components

Components used in the covered products must be those outlined in the latest edition of the Listing Report.

Listing Marking

This report along with a valid certificate authorizes the certificate holder to use the Listing Marking of SGS North America only on products covered by this report and in accordance with the Product Certification Program Policy Handbook.

Production Line Tests

Manufacturing and Production Tests shall be performed as required by this Report.

Responsibility of the Manufacturer and Factory

- It is the manufacturer and factory's responsibility to restrict the use of markings which reference SGS to those
 products which are found by the manufacturers own inspection to comply with the product description in this
 report. This includes reference to SGS directly and/or indirectly.
- 2) During hours in which the factory is in operation, the SGS inspector shall be given unlimited access to any portion of the premises where the product and/or parts are being produced, assembled, inspected and labeled; and to the test area designated for routine tests. The SGS inspector shall be permitted to inspect and subject the products to prescribed tests prior to shipment any product bearing or intended to bear marking referencing SGS.
- 3) The factory shall provide all required testing equipment and facilities including trained personnel for conducting all routine tests that are to be performed at the factory. These shall be available when needed so that the inspection work can proceed without delays.



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Follow up Inspections

As part of the SGS Follow-Up inspection, it is required that an inspector periodically visit the factory location(s) and select for examination and/or testing, the most recent production sample of the product covered in the Listing Report.

SGS Inspector

- 1) A product which is found by the SGS inspector to have features which make it unacceptable to bear marking referencing SGS shall be corrected if the listing marking is to be used. The inspector shall carefully check additional production for such features until conditions are considered normal.
- 2) A product which does not comply with the provisions of the listing report shall have all reference to SGS removed. If the rejection of the product is questioned by the factory representative, it may be put on hold in separate area of location pending appeal. The factory shall satisfy the inspector that all marks referencing SGS are removed from the rejected material or finished product. Factory shall destroy product and or turn over to inspector for destruction.
- 3) All discrepancies between the product and the listing report shall be immediately stated to the attention of the factory representative. This shall be noted in the follow-up inspection report as a discrepancy.



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GENERAL CONSTRUCTIONAL REQUIREMENTS TO BE VERIFIED

<u>Construction Details</u> - This section specifies construction and component details in addition to the critical components table which are to be verified during factory follow-up inspections.

- 1. Marking(s) Refer to Marking page.
- 2. Illustration Refer to Illustration pages.



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ROUTINE TESTS FOR MANUFACTURING AND PRODUCTION

The manufacturer shall perform the following Manufacturing and Production Tests on 100% of equipment produced which has both hazardous live parts and accessible conductive parts

Required Tests

N/A



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PHOTOGRAPHS

Smart E Bike, D3F PHOTO NO. 1-2







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Smart E Bike

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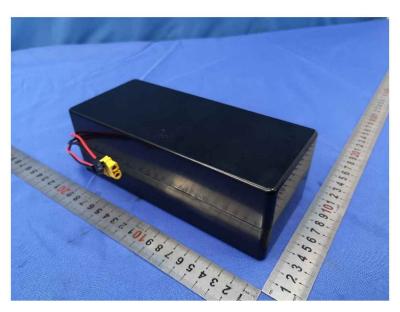


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Smart E Bike

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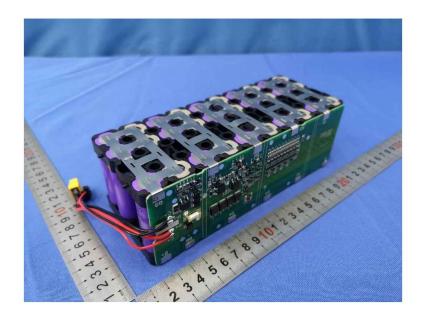




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Smart E Bike

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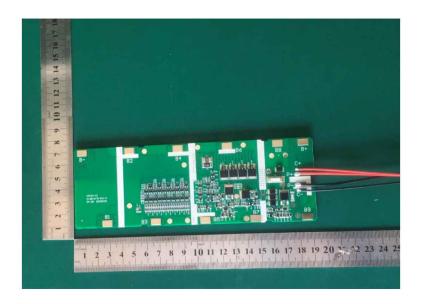


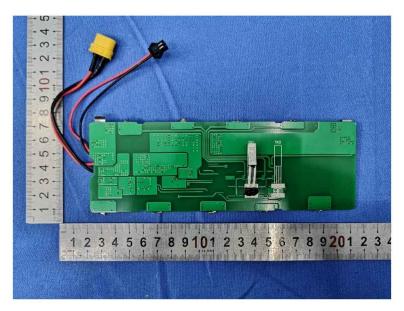


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Smart E Bike

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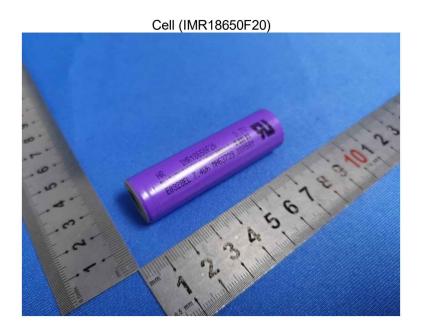




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Smart E Bike

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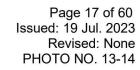




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Smart E Bike

Motor (ZW-36V-350W)









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Smart E Bike

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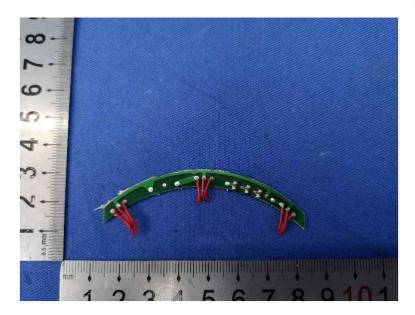


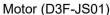


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Smart E Bike

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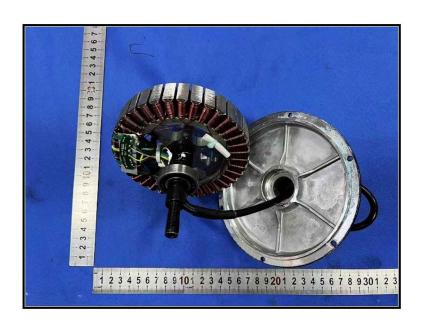


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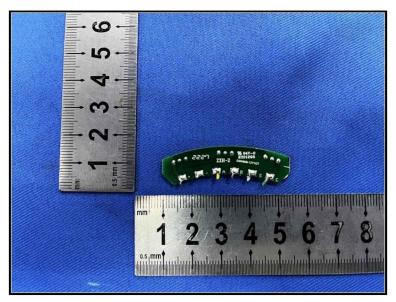


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Smart E Bike PH



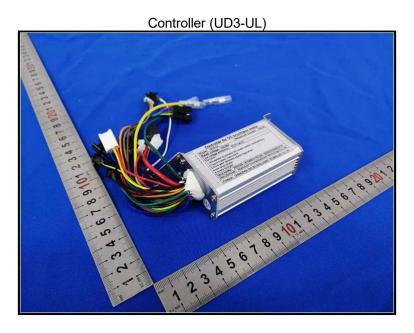


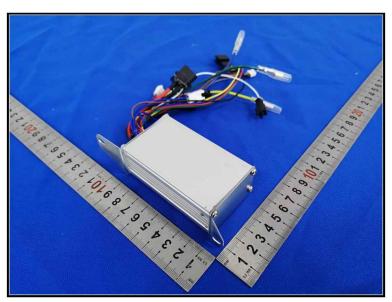


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Smart E Bike

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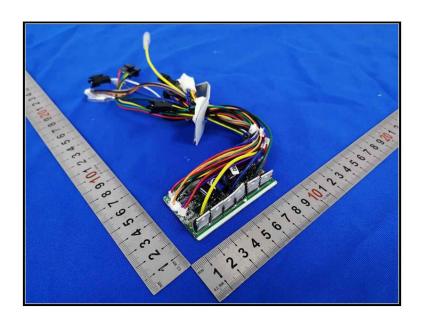


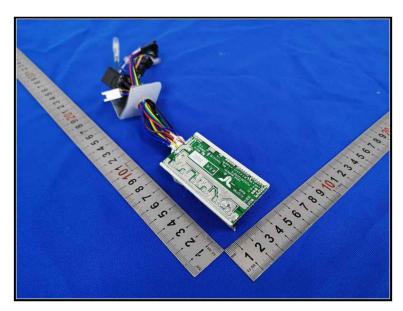


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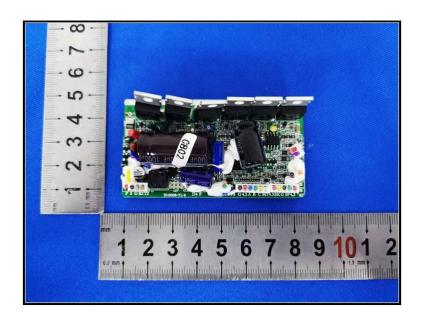


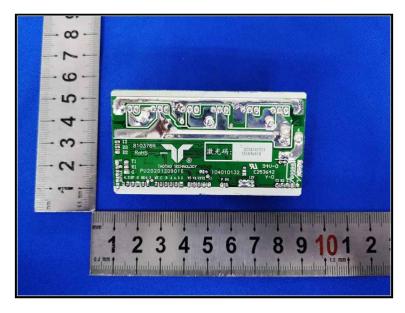


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Smart E Bike, S2

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Smart E Bike, S3

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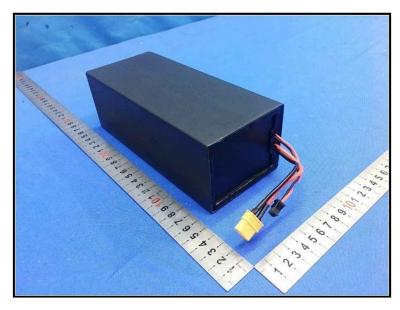


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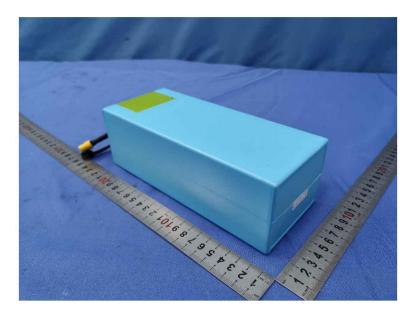


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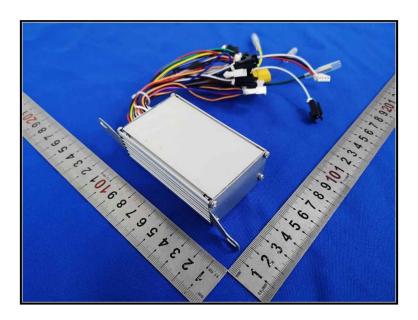
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Smart E Bike PHOTO NO. 33-34



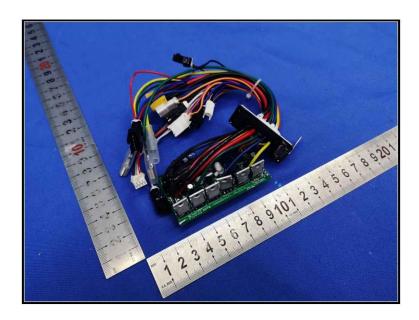


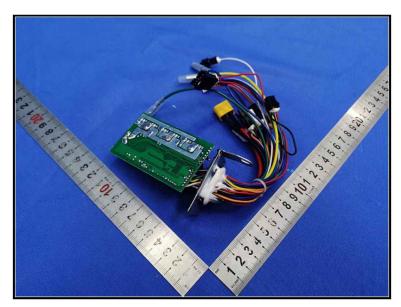


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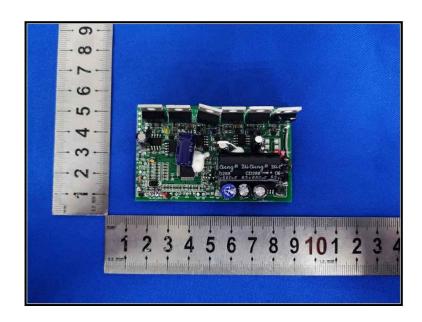


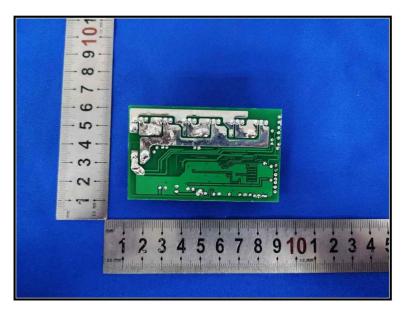


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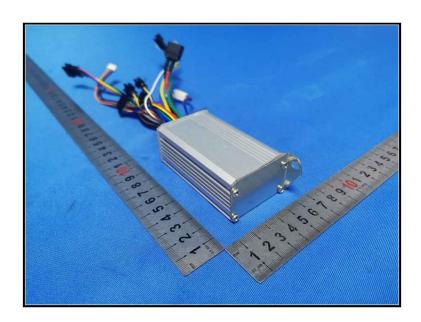
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Smart E Bike

Controller (UD3-UL: manufactured by Changzhou taochen Electronic Technology Co., Ltd.)



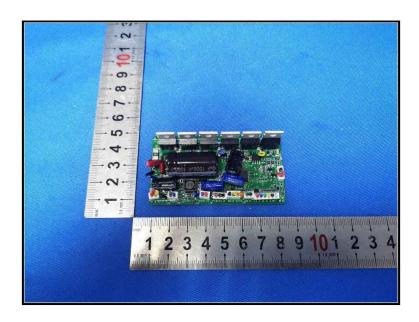


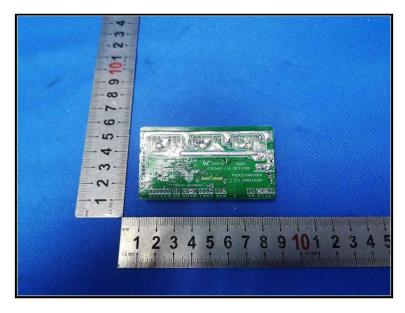


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CRITICAL COMPONENTS

The following components are considered "critical" in terms of this certification and must be verified during factory inspections. No substitutions or alternate components are allowed unless specifically as stated in this report.

| Photo No. | Item No. | Componen t name | Manufacturer/ trademark | Type/model | Technical data | Standard | Mark(s) of conformity |
|--------------|-------------|---|--|----------------------------|---|--|---------------------------------------|
| 24 | 1 | Battery Charger | GUANGZHOU JI YIN HENG BA ELECTRONICS CO LTD | JY-420150 | Input: 100- 240Va.c., 50/60Hz, 2.0A; Output: 42Vd.c., 1.5A Max | ANSI/UL 60950-1 CAN/CSA- C22.2 No. 60950-1 | UL (E480338) |
| 39 | 1A | Battery Charger (Alt.) | SHENZHEN FLYPOWER TECHNOLOGY CO LTD | PS65D420Y1500 S | Input: 100- 240Va.c., 50/60Hz, 1.5A; Output: 42Vd.c., 1.5A | | UL (E302944) |
| | 2 | Plastic enclosure | LG CHEM LTD | AF303S | ABS, V-0, 85 °C, Min. thickness 1.5 mm | UL94 UL746C CSA C22.2 No.0.17 | UR (E67171) |
| 4 | 3 | Charging port | Yak Electronic Co., LTD | DC5525 | 60V, 2 A | * | * |
| | 3-1 | Plastic basic of charging port | SABIC INNOVATIVE PLASTICS US L L C | SE1X(GG)(f1) | Min. thickness 1.5 mm, Rated min. V- 0, RTI 105°C | UL94 UL746C CSA C22.2 No.0.17 | UR (E121562) |
| 5,6 | 4 | Battery pack | Shenzhen HANI Energy Technology Co. Ltd. | HA103 | 36V, 6Ah | ANSI/CAN/ UL 2271 | SGS NA (Contract No. 800798) |
| 29,30 | 4A | Battery pack (Alt.) | Guangdong Greenway Technology Co., Ltd. | NZ7281003 | 36V, 6Ah | ANSI/CAN/ UL 2271 | SGS NA (Contract No. 801014) |
| 31,32 | 4B | Battery pack (Alt.) | Huizhou JETECH Energy Technology Co., Ltd. | JT-EBB10-03 | 36V, 10Ah | ANSI/CAN/ UL 2271 | SGS NA (Contract No. 800550) |
| 13,14 | 5 | Motor | Changzhou Wujin Jinshun | ZW-36V-350W ZW-36V-250W | 36Vdc, 350 W 36Vdc, 250 W | * | * |



Zhengzhou DYU Technology Co., Ltd. PROJECT NUMBER: SZ-CERT230701946

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Revised: None

| | | | | 110 | evisea: ivone | | |
|-------|------|---------------------------------|---|-----------------|--|---|-----------------|
| | | | Electromechanic al Co., Ltd. | PHL0236V250W | | | |
| | 5-1 | Enclosure | | | Aluminum, Min. 1.5mm thick | * | * |
| 15 | 5-2 | Motor Winding | WUHU COPPER CROWN ELECTRICIAN LTD | QA/X- x /155 | min. 155 deg. C | UL 1446 | UR (E326270) |
| | 5-2a | Alt. | Interchangeable | Interchangeable | min. 155 deg. C | UL 1446 | UR |
| | 5-3 | Slot Liner | SHANGHAI RIJING ENGINEERING PLASTICS SCI- TECH CO LTD | DFRG30(a)-(b) | PBT, V-0, 75 °C Min.thickness:1.5m m | UL94 UL746C CSA C22.2 No.0.17 | UR (E343559) |
| | 5-4 | Slot wedge and end spider | JIANGSU YUXING FILM TECHNOLOGY CO LTD | 6023D | PET, VTM-2, 105 deg. C | UL94 UL746C CSA-C22.2 No. 0.17 | UR (E212271) |
| | 5-4a | Alt. | Interchangeable | Interchangeable | V-1, 75 deg. C | UL94 UL746C CSA C22.2 No.0.17 | UR |
| | 5-5 | Lead wires (power) | Interchangeable | Interchangeable | Min. 200 deg. C, min. 300V, min. 16AWG | UL758 | UR |
| | 5-6 | Lead wires (signal) | Interchangeable | Interchangeable | Min. 80 deg. C, min. 60V, min. 24AWG | UL758 | UR |
| | 5-7 | Insulation tube | Interchangeable | Interchangeable | VW-1, 125 °C | UL224 | UR |
| 16,17 | 5-8 | Printed Wiring Board | Interchangeable | Interchangeable | V-1, 130°C | UL796 CAN/CSA- C22.2 No. 0.17 | UR |
| | 5-9 | Motor Protection | Jiangsu Changjiang Electronics Technology Co., Ltd | 2N5551 | Three triodes provide in series, rated Ic = 0.6 A, Tj = 150°C | | * |



Zhengzhou DYU Technology Co., Ltd. PROJECT NUMBER: SZ-CERT230701946

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Revised: None

| | | | | | | | evised. None | |
|---------------|-------|---------------------------------|---|-----------------|---|---|-----------------|--|
| 17A1, | 5A | Motor (Alt.) | Changzhou Wujin Jinshun | D3F-JS01 | Class A, 36V, | * | * | |
| 17A2 | 2 | | Electromechanic al Co., Ltd. PHL0336V350W | | 350W | | | |
| | 5A-1 | Enclosure | | | Aluminum, Min. thickness 1.5mm | * | * | |
| 17A3 | 5A-2 | Motor Winding | WUHU COPPER CROWN ELECTRICIAN LTD | QZ-2/155 | 155°C | UL 1446 | UR (E326270) | |
| | 5A-3 | Slot Liner | SHANGHAI RIJING ENGINEERING PLASTICS SCI- TECH CO LTD | DFRG30(a)-(b) | PBT, V-0, 75 °C Min.thickness:1.5m m | UL94 UL746C CSA C22.2 No.0.17 | UR (E343559) | |
| | 5A-4 | Slot wedge and end spider | JIANGSU YUXING FILM TECHNOLOGY CO LTD | 6023D | PET, VTM-2, 105 deg. C | UL94 UL746C CSA-C22.2 No. 0.17 | UR (E212271) | |
| | 5A-5 | Lead wires (power) | Interchangeable | Interchangeable | Min. 200°C, min. 300V, min. 16AWG | UL758 | UR | |
| | 5A-6 | Lead wires (signal) | Interchangeable | Interchangeable | Min. 80°C, min. 60V, min. 24AWG | UL758 | UR | |
| | 5A-7 | Insulation tube | Interchangeable | Interchangeable | VW-1, 125 °C | UL224 | UR | |
| 17A4,1 7A5 | 5A-8 | Printed Wiring Board | Jiangxi ZHONG XIN HUA Electronics Industry Co Ltd | ZXH-2 | V-0, 130°C | UL796 | UR (E331298) | |
| | 5A-9 | Motor Protection | Jiangsu Changjiang Electronics Technology Co., Ltd | 2N5551 | Three triodes provide in series, rated Ic = 0.6 A, Tj = 150°C | | * | |
| | 5A-10 | Hall | Semiment Technology Inc. | SC41HL | Supply Voltage: 3.8V-40V, Operating temperature range: -40°C- 150°C | * | * | |
| 18,19 | 6 | Controller | Taotao | UD3-UL | | | * | |



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Revised: None

| | | | | | | 1 10 | VISCU. NOITE |
|-------|------|---|--|-----------------------|--|--|-----------------|
| 22,23 | 6-1 | Printed Wiring Board | GUANGDE YARSUN ELECTRONICS TECHNOLOGY CO LTD | Y-D | V-0, 130°C | UL796 CAN/CSA- C22.2 No. 0.17 | UR (E253642) |
| | 6-2 | Printed Wiring Board (alternate) | Interchangeable | Interchangeable | Min. V-1, 130 °C | UL796 CAN/CSA- C22.2 No. 0.17 | UR |
| | 6-3 | MOSFETs (Q4-Q9) | China Resources Microelectronics (Chongqing) Limited | CRTT084N08N | 80V, 110A | | * |
| | 6-4 | Lead wires (motor) | Interchangeable | Interchangeable | Min. 105 deg. C, min. 300V, min. 16AWG | UL758 | UR |
| | 6-5 | Lead wires (power) | Interchangeable | Interchangeable | Min. 105 deg. C, min. 300V, min. 16AWG | UL758 | UR |
| | 6-6 | Power connector | CHANGZHOU AMASS ELECTRONICS CO LTD | XT60U-M | Min. 15A, min. 60V | UL1977 | UR (E482722) |
| | 6-7 | Insulation tube | Interchangeable | Interchangeable | Min. 125°C, VW-1 | UL224 | UR |
| 33,34 | 6A | Controller (Alt.) | Changzhou Yiertong Electronics Co., Ltd. | ESL5664-06Z11F- T2 | | | * |
| 37,38 | 6A-1 | Printed Wiring Board | SUICHUAN PINGTAI CIRCUIT BOARD CO LTD | PT-D | V-0, 130°C | UL796 | UR (E518094) |
| | 6A-2 | Printed Wiring Board (alternate) | Interchangeable | Interchangeable | Min. V-1, 130 °C | UL796 CAN/CSA- C22.2 No. 0.17 | UR |
| | 6A-3 | MOSFETs (V1A, V2A, V1B, V2B, V1C, V2C) | New Power | NCE6990 | 69V, 90A | | * |



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Revised: None

| | | | | | | 110 | evisea: ivone |
|-------|------|---|---|-----------------|--|--|-----------------|
| | 6A-4 | Lead wires (motor) | Interchangeable | Interchangeable | Min. 105 deg. C, min. 300V, min. 16AWG | UL758 | UR |
| | 6A-5 | Lead wires (power) | Interchangeable | Interchangeable | Min. 105 deg. C, min. 300V, min. 16AWG | UL758 | UR |
| | 6A-6 | Lead wires (Signal) | Interchangeable | Interchangeable | Min. 80 deg. C, min. 30V, min. 26AWG | UL758 | UR |
| | 6A-7 | Power connector | CHANGZHOU AMASS ELECTRONICS CO LTD | XT60U | Min. 15A, min. 60V | UL1977 | UR (E482722) |
| | 6A-8 | Insulation tube | Interchangeable | Interchangeable | Min. 125°C, VW-1 | UL224 | UR |
| 40,41 | 6B | Controller (Alt.) | Changzhou taochen Electronic Technology Co., Ltd. | UD3-UL | | | * |
| 42,43 | 6B-1 | Printed Wiring Board | GUANGDE YARSUN ELECTRONICS TECHNOLOGY CO LTD | Y-D | V-0, 130°C | UL796 CAN/CSA- C22.2 No. 0.17 | UR (E253642) |
| | 6B-2 | Printed Wiring Board (alternate) | Interchangeable | Interchangeable | Min. V-1, 130 °C | UL796 CAN/CSA- C22.2 No. 0.17 | UR |
| | 6B-3 | MOSFETs (QA1, QA2, QB1, QB2, QC1, QC2) | China Resources Microelectronics (Chongqing) Limited | CRTT084N08N | 80V, 110A | | * |
| | 6B-4 | Lead wires (motor) | Interchangeable | Interchangeable | Min. 80 deg. C, min. 105V, min. 20AWG | UL758 | UR |
| | 6B-5 | Lead wires (power) | Interchangeable | Interchangeable | Min. 80 deg. C, min. 105V, min. 20AWG | UL758 | UR |



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| 6B-6 | Lead wires (Signal) | Interchangeable | Interchangeable | Min. 80 deg. C, min. 30V, min. 26AWG | UL758 | UR |
|----------|------------------------|-----------------|-----------------|--|-------|----|
| 6B-7 | Insulation tube | Interchangeable | Interchangeable | Min. 125°C, VW-1 | UL224 | UR |

^{*} Tested as part of the apparatus



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Revised: None

ANNUAL RE-TESTING OF <u>UNLISTED COMPONENTS</u>

The unlisted components on this page are uncontrolled (not falling under a third party certification program) and require periodic retesting and/or evaluation.

Note to SGS Follow Up Inspector: The inspection office will notify you in writing when these components must be selected and sent to the Lab indicated below for re-evaluation.

Ship the samples to: N/A

The unlisted components covered by this report and are required to be re-tested/evaluated are shown in the following table:

| РНОТО # | | | ITEM# | DES | CRIPTION | MFR | TYPE/ MODEL | RATING |
|-----------------------|----------|-----|-------|----------------------|----------|-----|----------------|--------|
| | | | | | | | | |
| VERIFICAT | ION PROC | ESS | | | | | | |
| Test Stand | ard: | | | | | | | |
| Frequency of Testing: | | | | No. of Test Samples: | | | | |
| Clause No. | TEST | | | PARAMETE | RS | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |



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Revised: None

MARKING 1 Listing marking label



Load: 120Kg Max Max Speed: 25Km/h
Use Only Charger model as specified in user manual

Manufacturer: Shenzhen DYU Intelligent Mobility Technology Co., Ltd Store Indoors When Not in Use.Use only with specified charger instruction. WARNING: To reduce the risk of injury,user must read instruction manual.

AVERTISSEMENT - Pour pré venir les blessures, l'utilisateur doit lire

lemanuel d'utilisation

Made in China



Product: Smart E-bike Vdc: 36V Input: DC 42V, 1.5A Max

Input: DC 42V, 1.5A Max Date: 03/20
Load: 120Kg Max Max Speed: 25Km/h
Use Only Charger model as specified in user manual

Manufacturer: Shenzhen DYU Intelligent Mobility Technology Co., Ltd Store Indoors When Not in Use.Use only with specified charger instruction. WARNING: To reduce the risk of injury,user must read instruction manual.

Model: D3+

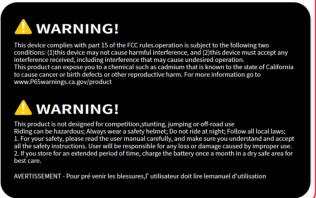
Capacity: 10AH

AVERTISSEMENT - Pour pré venir les blessures, l'utilisateur doit lire

lemanuel d'utilisation

Made in China





Remark:

'03/20' refer to the manufacture date March 2020.

The serial number contains the date of manufacture.

For Canada market, translations in French of the English safety markings may have to be provided.

2273 refer to the factory DYU(Huizhou) Intelligent Transportation Technology Co., Ltd.

2983 refer to the factory Huizhou Xidesheng Bicycle Co., Ltd.



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Co-listing marking label 1



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.

THIS PRODUCT CAN EXPOSE YOU TO A CHEMICAL SUCH AS CADMIUM THAT IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. FOR MORE INFORMATIONGO TO WWW.P65WARNINGS.CA.GOV/PRODUCT

Manufactured in Shenzhen, China Manufactured by Jetson Electric Bikes LLC. Address: 86 34th Street 4th Fl., Brooklyn, NY 11232 Call: US & CANADA 1-(888) 976-9904

AVERTISSEMENT - Pour pré venir les blessures, l'utilisateur doit lire lemanuel d'utilisation

- · THIS PRODUCT IS NOT DESIGNED FOR COMPETITION,
- STUNTING, JUMPING OR OFF-ROAD USE
- · RIDING CAN BE HAZARDOUS
- · ALWAYS WEAR A SAFETY HELMET
- DO NOT RIDE AT NIGHT
- · FOLLOW ALL LOCAL LAWS
- 1. FOR YOUR SAFETY, PLEASE READ THE USER MANUAL CAREFULLY, AND MAKE SURE YOU UNDERSTAND AND ACCEPT ALL THE SAFETY INSTRUCTIONS. USER WILL BE RESPONSIBLE FOR ANY LOSS OR DAMAGE CAUSED BY IMPROPER USE.

 2. IF YOU STORE FOR AN EXTENDED PERIOD OF TIME, CHARGE THE BATTERY ONCE A MONTH IN A DRY SAFE AREA FOR BEST CARE.

Remark:

'10/2020' refer to the manufacture date October 2020.

The serial number contains the date of manufacture.

For Canada market, translations in French of the English safety markings may have to be provided.

2273 refer to the factory DYU(Huizhou) Intelligent Transportation Technology Co., Ltd.

2983 refer to the factory Huizhou Xidesheng Bicycle Co., Ltd.



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Revised: None

The above marking plate is only a draft artwork to show the product ratings and model No. and marking plates for other list models are of the same pattern. Relationships between different model number, trademark, battery

capacity and Contract number (under SGS logo) shown as below:

| Model Number | Trademark | Battery capacity | SGS contract number |
|--|------------|------------------|---------------------|
| D3F | DYU | 6 Ah or 10Ah | 801616 |
| D3FP | DYU | 6 Ah or 10Ah | 801616 |
| D2+ | DYU | 6 Ah or 10Ah | 801616 |
| D2plus | DYU | 6 Ah or 10Ah | 801616 |
| D3+ | DYU | 6 Ah or 10Ah | 801616 |
| D3plus | DYU | 6 Ah or 10Ah | 801616 |
| S2 | DYU | 6 Ah or 10Ah | 801616 |
| S3 | DYU | 6 Ah or 10Ah | 801616 |
| BIKE-140AE | Urbanglide | 6 Ah or 10Ah | 801616 |
| AMA005183_P_W | ANCHEER | 6 Ah or 10Ah | 801616 |
| AMA005183_P_B | ANCHEER | 6 Ah or 10Ah | 801616 |
| S1 | EMO | 6 Ah or 10Ah | 801616 |
| S5 | EMO | 6 Ah or 10Ah | 801616 |
| BOLT14 | JETSON | 6 Ah or 10Ah | 801616 or 800896 |
| BOLT PRO | JETSON | 6 Ah or 10Ah | 801616 or 800896 |
| BOLT-14IN | JETSON | 6 Ah or 10Ah | 801616 or 800896 |
| 1426314 | JETSON | 6 Ah or 10Ah | 801616 or 800896 |
| RUSH | JETSON | 6 Ah or 10Ah | 801616 or 800896 |
| RUSH PRO | JETSON | 6 Ah or 10Ah | 801616 or 800896 |
| LX10 | JETSON | 6 Ah or 10Ah | 801616 or 800896 |
| AXLE12 | JETSON | 6 Ah or 10Ah | 801616 or 800896 |
| Trac pro | EFans | 6 Ah or 10Ah | 801616 |
| EFEBK001 | EFans | 6 Ah or 10Ah | 801616 |
| JBLTP-BLK | JETSON | 6 Ah or 10Ah | 800896 |
| AXLE 10, JAXL10- BLK, JAXL10-RED, JAXL10-BLU, JAXL10-XXX (XXX stands for different color) | JETSON | 6 Ah or 10Ah | 800896 |
| AXLE, AXLE12, JAXL12, JRSH12- BLK, JRSH12-XXX (XXX stands for different color) | JETSON | 6 Ah or 10Ah | 800896 |

Note:

SGS contract number 801616 is assigned to listing applicant Zhengzhou DYU Technology Co., Ltd. SGS contract number 800896 is assigned to co-listing applicant Jetson Electric Bikes LLC



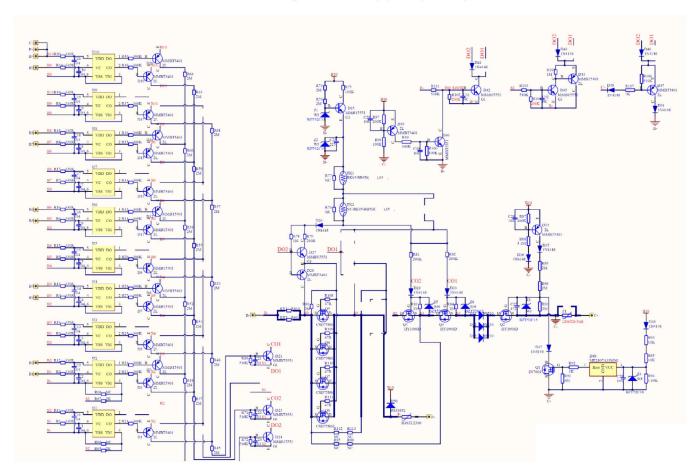
Zhengzhou DYU Technology Co., Ltd. PROJECT NUMBER: SZ-CERT230701946

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Revised: None

ILLUSTRATION 1

Circuit diagram of Battery pack (HA103)

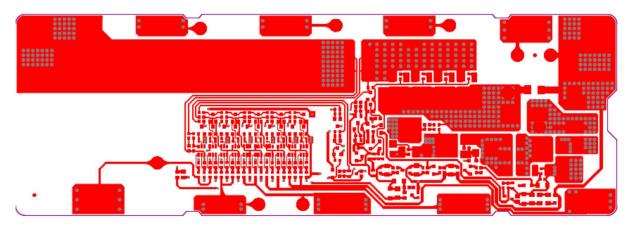


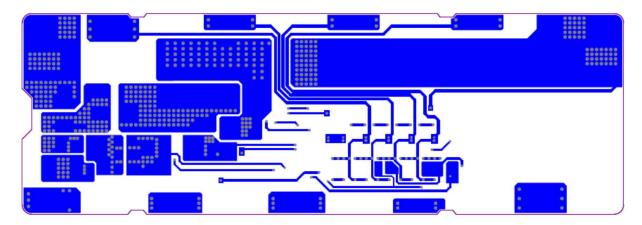


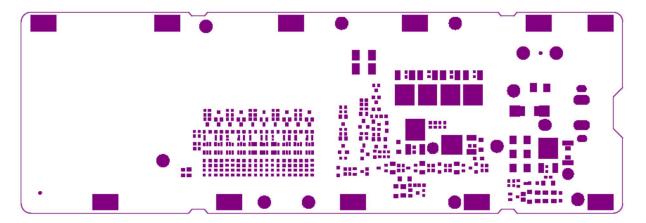
Zhengzhou DYU Technology Co., Ltd. PROJECT NUMBER: SZ-CERT230701946

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PCB Layout of Battery pack (HA103)



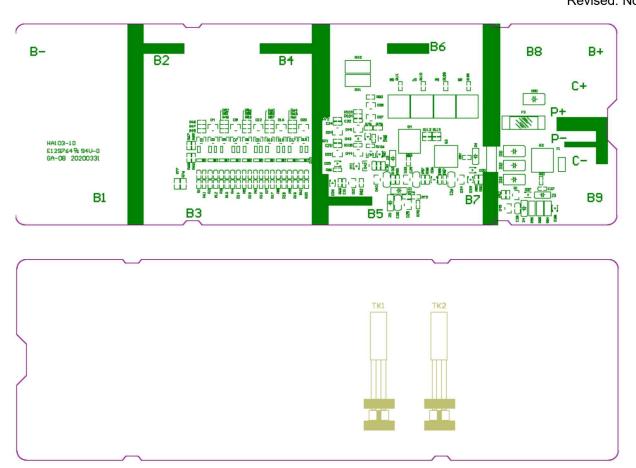






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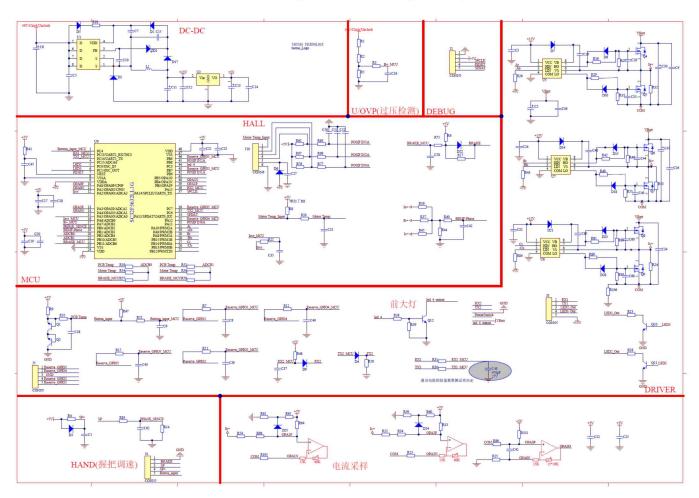




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Circuit diagram of Controller (UD3-UL)



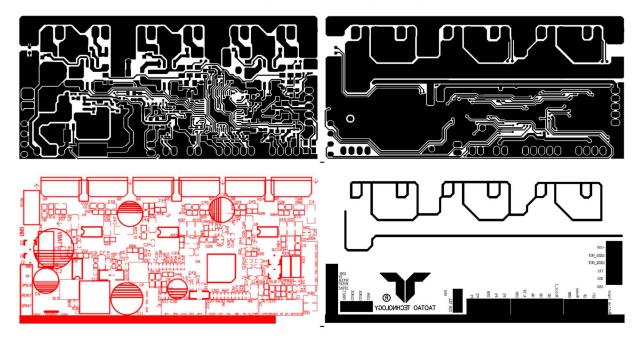


Zhengzhou DYU Technology Co., Ltd. PROJECT NUMBER: SZ-CERT230701946

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Revised: None

PCB Layout of Controller (UD3-UL)

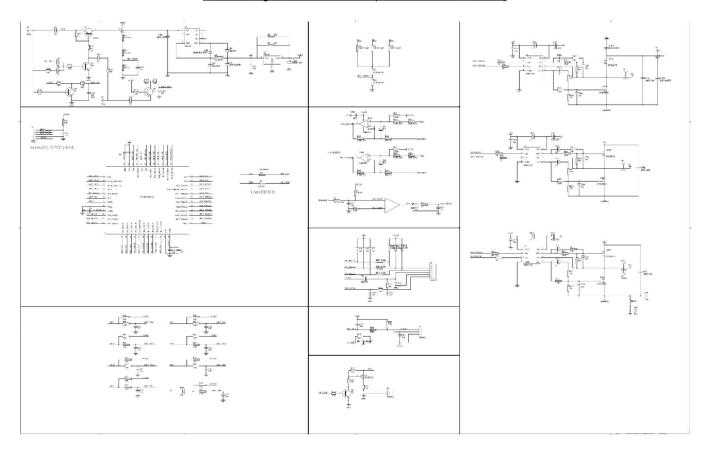




Zhengzhou DYU Technology Co., Ltd. PROJECT NUMBER: SZ-CERT230701946

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Circuit diagram of Controller (ESL5664-06Z11F-T2)

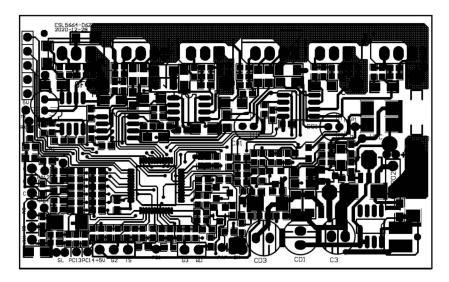


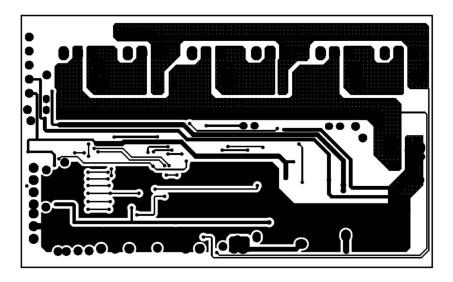


Zhengzhou DYU Technology Co., Ltd. PROJECT NUMBER: SZ-CERT230701946

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PCB Layout of Controller (ESL5664-06Z11F-T2)



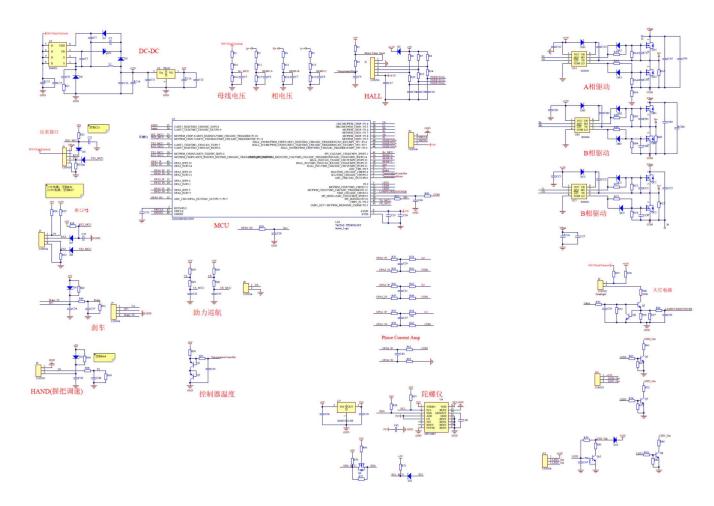




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Circuit diagram of Controller (UD3-UL: manufactured by Changzhou taochen Electronic Technology Co., Ltd.)



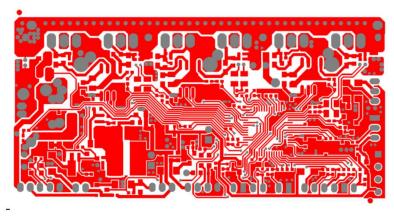


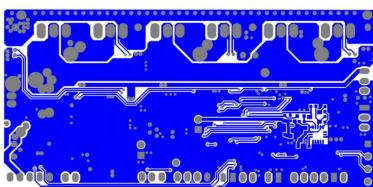
Zhengzhou DYU Technology Co., Ltd. PROJECT NUMBER: SZ-CERT230701946

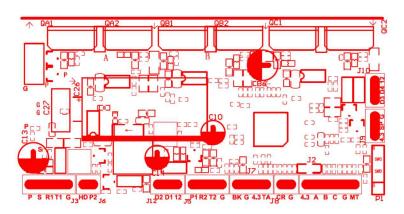
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Revised: None

PCB Layout of Controller (UD3-UL: manufactured by Changzhou taochen Electronic Technology Co., Ltd.)





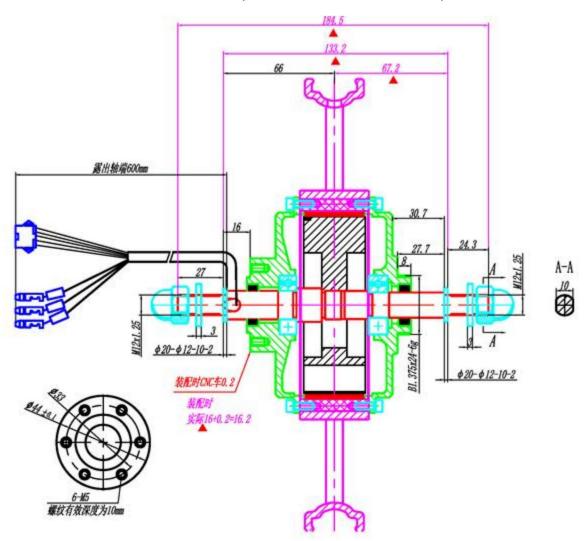




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<u>Illustration 20</u> <u>Motor dimensions (ZW-36V-350W or ZW-36V-250W)</u>

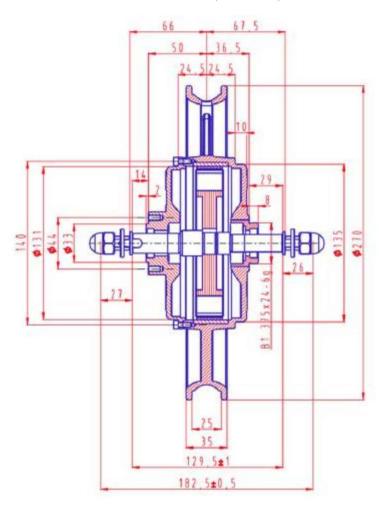




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Motor dimensions (D3F-JS01)





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Revised: None

SUMMARY OF TEST RESULTS

This report copied from SGS listing report No. SZES220500309164, issued on 20 Jun. 2022, Revised: 17 Nov. 2022, originally issued for Model D3F, D3FP, BOLT14, BOLT PRO, BOLT-14IN, S1, BIKE-140AE, S5, AMA005183_P_W, AMA005183_P_B, 1426314, S2, RUSH, S3, RUSH PRO, D2+, D2plus, D3+, D3plus, Trac pro, EFEBK001, LX10, AXLE12, under standard of ANSI/CAN/UL2849:2020, and with following changes and/or additions:

- Addition of new motor number PHL0236V250W which is identical with motor ZW-36V-250W except for model number
- Addition of new motor number PHL0336V350W which is identical with motor D3F-JS01 except for model number
- Performed the tests according to Standard for tests for Safety-Related Controls Employing Solid-State Devices, UL 991
- Updated the certified standard to ANSI/CAN/UL2849:2020, 1st Edition, dated January 2, 2020, revised June 17, 2022.

Following tests were waived due to similarity in design of original model (evaluated in original listing report)

The following tests were performed on Smart E Bike D3F:

STANDARD FOR SAFETY for Electrical Systems for eBikes, ANSI/CAN/UL2849:2020, 1st Edition, dated January 2, 2020, revised June 17, 2022.

| <u>Section</u> | Test Description |
|------------------|---|
| 27 28 32.3 | Input Test Temperature Test Component fault tests |
| 32.5 | Locked rotor motor test |
| 32.6 | Running overload test |
| 33 | Impact Test |
| 34 | Mold Stress |
| 37 | Permanence of Marking |
| 38.1 | Vibration test |
| 40 | Startup Assistance Mode Test |
| 41.2 | Reverse Pedaling Test. |
| 41.3 | Pedal Cessation Test for EPACs |
| 41.4 | Cutoff When Braking Test |
| 41.5 | Cutoff at Maximum Speed Test |
| | |

The following tests were performed on Battery HA103:

<u>Safety for Batteries for Use in Light Electric Vehicle (LEV) Applications, ANSI/CAN/UL/ULC 2271, Second Edition, Dated September 7, 2018.</u>

Section Test Description

23 Overcharge Test
24 Short Circuit Test



Zhengzhou DYU Technology Co., Ltd. Page 58 of 60 PROJECT NUMBER: SZ-CERT230701946 Issued: 19 Jul. 2023 Revised: None

| 25 | Overdischarge Test |
|----|--------------------------------------|
| 26 | Temperature Test |
| 27 | Imbalanced Charging Test |
| 30 | Vibration Endurance Test |
| 31 | Shock Test |
| 33 | Drop Test |
| 34 | Mold Stress Relief Test |
| 36 | Roll Over Test |
| 38 | Immersion Test |
| 39 | Water Exposure Test (IP Code Rating) |
| 40 | Thermal Cycling Test |
| | |

Standard for tests for Safety-Related Controls Employing Solid-State Devices, UL 991,

Third Edition, Dated October 22, 2004, Revised June 09, 2010.

| <u>Section</u> | Test Description |
|----------------|---|
| 11 | Power Supply Voltage Dips and Short Interruption Test |
| 12 | Transient Overvoltage Test |
| 13 | Voltage Variation Test |
| 14 | Electromagnetic Susceptibility Tests |
| 15 | Electrostatic Discharge Test |
| 17 | Test for Effects of Shipping and Storage |
| 18 | Thermal Cycling Test |
| 19 | Humidity Test |
| 22 | Jarring Test |

Results of the tests indicate the specimens conform to the test criteria that were found to be applicable.



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Revised: None

REVISION TABLE

The following changes have been made to this Report:

| <u>Date</u> | Project # | Revision prepared by | <u>Page</u> | Description of Change |
|-------------|--------------|----------------------------|-------------|-----------------------|
| | | | | None |
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Revised: None

CONCLUSION

Samples of the products covered by this Report have been found to comply with the applicable requirements of STANDARD FOR SAFETY for Electrical Systems for eBikes, ANSI/CAN/UL2849:2020, 1st Edition, dated January 2, 2020, revised June 17, 2022.

Report Prepared by:

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