List of Approved Power-Assisted Bicycle (PAB) Models (as at 1 January 2024)

- 1. LTA does not endorse either the PAB models or their retailers in this list. Consumers should make their own assessment based on their needs before purchasing the PABs from the retailers.
- 2. To meet LTA's technical requirements, retailers have worked with PAB manufacturers to produce the PABs without a start-up assistance feature.
- 3. The approval granted for PAB models is both retailer and model specific, and non-transferable. New applicants who wish to import identical PAB models in the list will be required to undergo fresh approval and sealing.
- 4. Consumers should only purchase PABs that are affixed with an orange seal bearing LTA's logo and a serialised number, as these PABs have been assessed to comply with LTA's technical requirements at the point of sealing.
- 5. <u>Do not add/modify the PAB's battery and only use original batteries of approved specifications (listed below) recommended by the PAB manufacturer.</u>
- 6. Consumers should only purchase and use original power adapters or chargers (supplied by the PAB manufacturer) that display an ESG SAFETY Mark with a valid serial number.
- 7. For more information on PAB requirements, click <u>here</u>.

EN 15194:2017 Compliant PAB Models

Make & Model:

ALPS ETFT-S7DR

PAB Manufacturer:

Huanrui(Tianjin) Electric Vehicle Technology Co,.Ltd

Battery Model:

366.8WY

Battery Manufacturer:

Guangdong Greenway Technology Co.,Ltd

Battery Voltage & Capacity:

36V 6.8Ah



Make & Model:

AXIDE EC297

PAB Manufacturer:

Willing Ind.Co Ltd

Battery Model:

BT-E8035L

Battery Manufacturer:

Shimano

Battery Voltage & Capacity:

36V 14Ah



BROMPTON ELECTRIC MK.1

PAB Manufacturer:

Brompton Bicycle Ltd

Battery Model:

10INR19/65-3

Battery Manufacturer:

BMZ Batterien-Montage-Zentrum GmbH Group

Battery Voltage & Capacity:

36.5V 8.55Ah



Make & Model:

DRIVE Ranger

PAB Manufacturer:

Shenzhen Rongxinfa Lithium Electricity technology Co.,Ltd

Battery Model:

HCI-SILVER FISHD24818

Battery Manufacturer:

Jin Hua Heng Chuang New Energy Co;Ltd

Battery Voltage & Capacity:

48V / 18Ah



Make & Model:

DRIVE Sport

PAB Manufacturer:

Shenzhen Rongxinfa Lithium Electricity technology Co.,Ltd

Battery Model:

48V15AH

Battery Manufacturer:

Dongguan Liushi Lithium Technology Co.,Ltd

Battery Voltage & Capacity:

46.8V / 15Ah



EXPRESS DRIVE

PAB Manufacturer:

Shenzhen Rongxinfa Lithium Electricity Technology Co., Ltd.

Battery Model:

HCI-SILVER FISHD24810.5

Battery Manufacturer:

Wanda Battery Intelligent Technology Co., Ltd.

Battery Voltage & Capacity:

48V 10.5Ah



Make & Model:

Honbike U4

PAB Manufacturer:

Honebike B.V.

Battery Model:

WD-CD3612-A

Battery Manufacturer:

Hunan Wisdom Technology Co.,Ltd

Battery Voltage & Capacity: 36V / 12Ah



Make & Model:

JI-MOVE MC

PAB Manufacturer:

Foshan Jidong Vehicle Industry Co., Ltd

Battery Model:

HCI-SILVER FISHD23621

Battery Manufacturer:

Jin Hua Heng Chuang New Energy Co., Ltd.

Battery Voltage & Capacity:

36V 21Ah



JI-MOVE MC-PRO

PAB Manufacturer:

Foshan Jidong Vehicle Industry Co.Ltd

Battery Model:

HCI-001 D24819.2

Battery Manufacturer:

Jin Hua Heng Chuang New Energy Co.Ltd

Battery Voltage & Capacity:

48V 19.2Ah



Make & Model:

MAXIMALSG PAB-16-02

PAB Manufacturer:

Maximal Pte Ltd.

Battery Model:

LB-LG48V10AH / LB-LG4815-01

Battery Manufacturer:

Maximal Pte Ltd

Battery Voltage & Capacity:

48V (14.4Ah / 9.6Ah)



Make & Model:

MAXIMALSG PAB-20-05

PAB Manufacturer:

Maximal Pte Ltd.

Battery Model:

LB-LG48V10AH / LB-LG4815-01

Battery Manufacturer:

Maximal Pte Ltd

Battery Voltage & Capacity:

48V (14.4Ah / 9.6Ah)



MAXIMALSG PAB-20-03 (Front Disk brake / Rear Disk Brake)

PAB Manufacturer:

Maximal Pte Ltd.

Battery Model:

LB-LG4815-01

Battery Manufacturer:

Maximal Pte Ltd

Battery Voltage & Capacity:

48V 14.4Ah



Make & Model:

MAXIMALSG PAB-20-03 (Front Disk brake / Rear V Brake)

PAB Manufacturer:

Maximal Pte Ltd.

Battery Model:

LB-LG4815-01

Battery Manufacturer:

Maximal Pte Ltd

Battery Voltage & Capacity:

48V 14.4Ah



Make & Model:

MAXIMAL SG PAB-20-04

PAB Manufacturer:

Maximal Pte Ltd.

Battery Model:

LB-EV4813-01

Battery Manufacturer:

Maximal Pte Ltd

Battery Voltage & Capacity:

46.8V 12.8Ah



MIDO PRO

PAB Manufacturer:

YY Scooter Pte Ltd

Battery Model:

WDD36105X242

Battery Manufacturer:

Wanda Battery Intelligent Technology Co., Ltd.

Battery Voltage & Capacity:

36V 10.5Ah



Make & Model:

MOBOT City LS

PAB Manufacturer:

Dongguan Lehe Intelligent Technology Co.,Ltd

Battery Model:

NZ0131004

Battery Manufacturer:

Guangdong Greenway technology Co.,Ltd

Battery Voltage & Capacity:

36V / 10.4Ah & 36V /11.6Ah



Make & Model:

MOBOT LEADER 2.0

PAB Manufacturer:

Shenzhen Yijiao Electric Vehicles Co., Ltd.

Battery Model:

48V15AH

Battery Manufacturer:

Dongguan Liushi Lithium Technology Co., Ltd.

Battery Voltage & Capacity:

46.8V 15Ah



MOBOT LEADER

PAB Manufacturer:

Shenzhen Yijiao Electric Vehicles Co., Ltd.

Battery Model:

48V14AH

Battery Manufacturer:

Dongguan Liushi Lithium Technology Co., Ltd.

Battery Voltage & Capacity:

46.8V 14Ah



Make & Model:

MOBOT S3

PAB Manufacturer:

Dongguan Lehe Intelligent Technology Co. Ltd

Battery Model:

NZ0131004

Battery Manufacturer:

Guangdong Greenway Technology Co. Ltd

Battery Voltage & Capacity:

36V (10.4Ah / 11.6Ah)



Make & Model:

MOBOT ORCA 3.0

PAB Manufacturer:

Shenzhen Yijiao Electric Vehicles Co., Ltd.

Battery Model:

48V20Ah

Battery Manufacturer:

Dongguan Liushi Lithium Technology Co., Ltd.

Battery Voltage & Capacity:

46.8V 20Ah



MOBOT ORCA

PAB Manufacturer:

Shenzhen Yijiao Electric Vehicles Co., Ltd.

Battery Model:

48V17.5AH

Battery Manufacturer:

Dongguan Liushi Lithium Technology Co., Ltd.

Battery Voltage & Capacity:

46.8V 17.5Ah

Make & Model:

MOBOT ULTRA

PAB Manufacturer:

Shenzhen Yijiao Electric Vehicles Co., Ltd.

Battery Model:

48V25AH

Battery Manufacturer:

Dongguan Liushi Lithium Technology Co., Ltd.

Battery Voltage & Capacity:

46.8V 25Ah

Make & Model:

MOBOT ULTRA RT

PAB Manufacturer:

Dongguan Lehe Intelligent Technology Co.,Ltd

Battery Model:

LH0258

Battery Manufacturer:

Shenzhen Yima power Supply Co...Itd

Battery Voltage & Capacity:

48V / 25AH







NAKXUS NF1

PAB Manufacturer:

Guangzhou Symbol Bicycle Co. Ltd.

Battery Model:

HA184

Battery Manufacturer:

Shen Zhen HANI Energy Technology Co., Ltd.

Battery Voltage & Capacity:

36V 8.7Ah



Make & Model:

PEDELEC ROGI KING+

PAB Manufacturer:

EMK Vehicle (Kunshan) Co. Ltd

Battery Model:

RP-HB4824

Battery Manufacturer:

Ren Pu (suzhou)NewEnergy Technology Co,.Ltd

Battery Voltage & Capacity:

48V 24Ah



Make & Model:

PEDELEC ROGI MAX+

PAB Manufacturer:

EMK Vehicle (Kunshan) Co. Ltd

Battery Model:

WDD36210H002

Battery Manufacturer:

Wanda Battery Intelligent Technology (Kunshan) Co. Ltd

Battery Voltage & Capacity:

36V 21Ah



PEDELEC ROGI S+

PAB Manufacturer:

EMK Vehicle (Kunshan) Co. Ltd

Battery Model:

RP-HB4830

Battery Manufacturer:

Ren Pu (suzhou)NewEnergy Technology Co. Ltd

Battery Voltage & Capacity:

48V 28.8Ah



Make & Model:

SNAPCYCLE ROADMASTER

PAB Manufacturer:

Wuhan Leiyi Technology Co.,Ltd

Battery Model:

YT30207

Battery Manufacturer:

Spard New Energy Co.,Ltd

Battery Voltage & Capacity:

36V / 14Ah



Make & Model:

SNAPCYCLE ROADTRAVELLER

PAB Manufacturer:

Wuhan Leiyi Technology Co.,Ltd

Battery Model:

HCUT-EEL-MINID23612

Battery Manufacturer:

Jin Hua heng Chuang New Energy Co.,Ltd

Battery Voltage & Capacity:

36V / 12Ah



ULLMAX-X16

PAB Manufacturer:

Kushan Huan Yu Intelligent Technology Co.,Ltd

Battery Model:

RP-HLMAX4820

Battery Manufacturer:

Ren Pu(suzhou)New Energy Technology Co.,Ltd

Battery Voltage & Capacity:

48V / 19.2Ah



Make & Model:

VENOM 2+ 001Z

PAB Manufacturer:

Zhongxin Power (Tianjin) Bicycle Co. Ltd.

Battery Model:

O LONG 2Z

Battery Manufacturer:

Changxing Tianhong Lithium-ion Battery Technology Co Ltd.

Battery Voltage & Capacity:

36V 10Ah



Make & Model:

VENOM 2 002Z

PAB Manufacturer:

Zhongxin Power (Tianjin) Bicycle Co. Ltd.

Battery Model:

O LONG 2Z

Battery Manufacturer:

Changxing Tianhong Lithium-ion Battery Technology Co Ltd.

Battery Voltage & Capacity:

36V 6Ah/10Ah



Zebra M037

PAB Manufacturer:

Heshan Galaxy Bicycle Co.,Ltd

Battery Model:

TD-1RM YT30208-ML

Battery Manufacturer:

YunTong Power Co.,Ltd

Battery Voltage & Capacity:

36V/ 10.4Ah



EN 15194:2009+A1:2011 Compliant PAB Models

Make & Model:

A2B KUO+

PAB Manufacturer:

Komda Industrial (S.Z.) Co., Ltd.

Battery Model:

G36928-BS22V3

Battery Manufacturer:

Dongguan Greenway Battery Co. Ltd.

Battery Voltage & Capacity:

36V 9.0Ah

AZB

Make & Model:

APOLLO MARS

PAB Manufacturer:

Zhejiang Apollo Motorcycle Manufacturer Co. Ltd.

Battery Model:

Mars

Battery Manufacturer:

LN Energy

Battery Voltage & Capacity:

36V 7.8Ah



APOLLO SMART 1S

PAB Manufacturer:

Zhejiang Apollo Motorcycle Manufacturer Co. Ltd.

Battery Model:

Smart

Battery Manufacturer:

LN Energy

Battery Voltage & Capacity:

36V 7.8Ah



Make & Model:

APOLLO SMART 1S+

PAB Manufacturer:

Zhejiang Apollo Motorcycle Manufacturer Co. Ltd.

Battery Model:

Smart

Battery Manufacturer:

LN Energy

Battery Voltage & Capacity:

36V 7.8Ah



Make & Model:

BESV PS1

PAB Manufacturer:

Darfon Electronics Corporation

Battery Model:

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Battery Manufacturer:

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Battery Voltage & Capacity:

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DEUSVOLTS DV-X

PAB Manufacturer:

Kunshan Landon Trade Co., Ltd.

Battery Model:

T11CFH1WKL8A

Battery Manufacturer:

Winkind Tech CO.,LTD.

Battery Voltage & Capacity:

36V 7Ah



Make & Model:

EXPRESS Y1+

PAB Manufacturer:

Shenzhen Chirrey Technology Co., Ltd

Battery Model:

Y1+ 10S4P

Battery Manufacturer:

Shenzhen Sinepow Electronics Co., Ltd

Battery Voltage & Capacity:

36V 14Ah



Make & Model:

FREY RO1

PAB Manufacturer:

Frey Vehicle Ltd.

Battery Model:

FREY 300

Battery Manufacturer:

Hangzhou Lin'an Beyonder Power Co. Ltd.

Battery Voltage & Capacity:

36V 6Ah



JI-MOVE LC

PAB Manufacturer:

Foshan JI-MOVE Information Technology Co. Ltd.

Battery Model:

XNDL-JD04

Battery Manufacturer:

Huizhou wellgo Technology Co., Ltd

Battery Voltage & Capacity:

36V 9.9Ah



Make & Model:

JI-MOVE MC

PAB Manufacturer:

Foshan JI-MOVE Information Technology Co. Ltd.

Battery Model:

XNDL-JD03

Battery Manufacturer:

Shenzhen Xinneng Dynamic Power Co Ltd.

Battery Voltage & Capacity:

36V 20.8Ah



Make & Model:

KERNAL AM-GT

PAB Manufacturer:

Shenzhen Yijiao Electric Vehicle Co., Ltd.

Battery Model:

13S5P

Battery Manufacturer:

Shenzhen Xi Pinzhi technology co.

Battery Voltage & Capacity:

48V 17.5Ah



KERNEL ORCA

PAB Manufacturer:

Shenzhen Yijiao Electric Vehicles Co., Ltd.

Battery Model:

13S4P

Battery Manufacturer:

Shenzhen Matrix Power Supply Technology Co., Ltd

Battery Voltage & Capacity:

48V 14Ah



Make & Model:

MAXIMAL PAB-20-02

PAB Manufacturer:

Maximal Pte. Ltd.

Battery Model:

SINC-36V10AH

Battery Manufacturer:

Qinhuangdao Xinchi Photoelectricity Technology Co., LTD

Battery Voltage & Capacity:

36V 10Ah



Make & Model:

MAXIMAL PAB-16-01

PAB Manufacturer:

Maximal Pte. Ltd.

Battery Model:

36V10.4AH

Battery Manufacturer:

Yong Kang Hong Huang Gong Mao CO, LTD

Battery Voltage & Capacity:

36V 10.4Ah



MINIMOTORS SCORPION

PAB Manufacturer:

Shenzhen Concepts Wit Technology Co. Ltd.

Battery Model:

GNS6

Battery Manufacturer:

Shenzhen World Electronic Co., Ltd

Battery Voltage & Capacity:

36V 5.2Ah



Make & Model:

MOBOT MINI 12"

PAB Manufacturer:

Tianjin Anbike Electric Bicycle Co. Ltd.

Battery Model:

VICTPOWER VICTA10S2P

Battery Manufacturer:

Shezhen Victpower Technology Co. Ltd.

Battery Voltage & Capacity:

36V 7.6Ah



Make & Model:

MOBOT MINI 16"

PAB Manufacturer:

Tianjin Anbike Electric Bicycle Co. Ltd.

Battery Model:

VICTPOWER VICTA10S2P

Battery Manufacturer:

Shezhen Victpower Technology Co. Ltd.

Battery Voltage & Capacity:

36V 7.6Ah



MOBOT S1-1

PAB Manufacturer:

Dongguan Lehe Intelligent Technology Co., Ltd.

Battery Model:

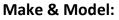
- 1. 36V 7.8AH
- 2. 36V 5.2AH

Battery Manufacturer:

Shenzhen Yima Power Supply Co., Ltd

Battery Voltage & Capacity:

- 1. 36V 7.8Ah
- 2.36V 5.2Ah



OULLON E16-1

PAB Manufacturer:

Taicang Tianhu Industrial Co., Ltd

Battery Model:

RPALE-1

Battery Manufacturer:

Coppercell Technology Co., Ltd.

Battery Voltage & Capacity:

36V 7Ah

Make & Model:

PAB-20-01

PAB Manufacturer:

Maximal Pte. Ltd.

Battery Model:

SINC-36V10AH

Battery Manufacturer:

Qinhuangdao Xinchi Photoelectricity Technology Co., LTD

Battery Voltage & Capacity:

36V 10Ah







PEDELEC MIDO

PAB Manufacturer:

Guangzhou Symbol Bicycle Co. Ltd.

Battery Model:

HA184

Battery Manufacturer:

Shen Zhen HANI Energy Technology Co., Ltd.

Battery Voltage & Capacity:

36V 8.7Ah



Make & Model:

PEDELEC ROGI

PAB Manufacturer:

Changzhou Daimyo Vehicle Co., LTD

Battery Model:

YIMA 36V7.5AH

Battery Manufacturer:

Changzhou Daimyo Vehicle Co., LTD

Battery Voltage & Capacity:

36V 7.5Ah



Make & Model:

PEDELEC ROGI MAX

PAB Manufacturer:

YY Scooter Pte Ltd

Battery Model:

48V14ah

Battery Manufacturer:

Zhejiang Tianhong Lithium-Ion Battery Co., Ltd.

Battery Voltage & Capacity:

48V 14Ah



PEDELEC ROGI PRO

PAB Manufacturer:

YY Scooter Pte Ltd

Battery Model:

Li-Ion Battery, 48V14Ah

Battery Manufacturer:

ZheJiang Tianhong Lithium-Ion Battery CO.,LTD.

Battery Voltage & Capacity:

48V 14Ah



Make & Model:

QUALISPORTS QSEB01-SG

PAB Manufacturer:

Changzhou Qualisports Technology Co., Ltd

Battery Model:

10S2P/26PM

Battery Manufacturer:

Jiangsu Fuan Technology Co., Ltd

Battery Voltage & Capacity:

36V 5.2Ah



Make & Model:

TORNADO AQUA

PAB Manufacturer:

Komda Industrial (Dongguan) Co. Ltd.

Battery Model:

LITHIUM-ION RECHARGEABLE BATTERY 36910

Battery Manufacturer:

Greenway Battery Co. Ltd.

Battery Voltage & Capacity:

36V 9Ah



TSINOVA TS01

PAB Manufacturer:

Beijing Tsinova Technology Co. Ltd.

Battery Model:

TS-01 BATTERY

Battery Manufacturer:

Beijing Tsinova Technology Co. Ltd. & Panasonic

Battery Voltage & Capacity:

36V 5.8Ah



Make & Model:

ULLMAX-MTB24

PAB Manufacturer:

EMK Vehicle (Kunshan) Co., Ltd

Battery Model:

48V 7.5AH

Battery Manufacturer:

Yong Kang Hong Huang Gong Mao CO, LTD

Battery Voltage & Capacity:

48V 7.5Ah



Make & Model:

VEEBIKE F7

PAB Manufacturer:

Hangzhou Top Mechanical and Electrical Technology Co., Ltd.

Battery Model:

SCIMTAR

Battery Manufacturer:

Zhejiang Changxing DWP Energy Technology Co., Ltd.

Battery Voltage & Capacity:

36V 7.5Ah



XILIDA TDN20QQ

PAB Manufacturer:

Shenzhen Rongxinfa Lithium Electricity Technology Co. Ltd.

Battery Model:

HC10S4P

Battery Manufacturer:

Shenzhen Heng Deli New Energy Co. Ltd.

Battery Voltage & Capacity:

36V 8Ah



Make & Model:

YUNMAKE TDM01Z

PAB Manufacturer:

Hangzhou Yunmake Technology Co. Ltd.

Battery Model:

C1 C-SERIES

Battery Manufacturer:

Hangzhou Yunmake Technology Co. Ltd.

Battery Voltage & Capacity:

36V 5.1Ah



Make & Model:

YUNMAKE TDN02Z

PAB Manufacturer:

Hangzhou Yunmake Technology Co. Ltd.

Battery Model:

C1 C-SERIES

Battery Manufacturer:

Hangzhou Yunmake Technology Co. Ltd.

Battery Voltage & Capacity:

36V 5.1Ah



ZEBRA A5AH24

PAB Manufacturer:

Zhuhai Shuangye Electronic Technology Co. Ltd.

Battery Model:

36V9AH

Battery Manufacturer:

Zhuhai Shuangye Electronic Technology Co. Ltd.

Battery Voltage & Capacity:

36V 9Ah

