List of Approved Power-Assisted Bicycle (PAB) Models (as at 1 January 2025)

- 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)</u> recommended by the PAB manufacturer.
- 6. Consumers should only purchase and use original power adapters or chargers (supplied by the PAB manufacturer) that display an <u>ESG SAFETY Mark with a valid serial number</u>.
- 7. For more information on PAB requirements, click here.



Make & Model: BROMPTON ELECTRIC MK.1	S.
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 CLASSIC	
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	
Make & Model: DRIVE RANGER	
PAB Manufacturer: Shenzhen Rongxinfa Lithium Electricity technology Co.,Ltd	
Battery Model: HCI-SILVER FISHD24818	DRIVE Super
Battery Manufacturer: Jin Hua Heng Chuang New Energy Co;Ltd	
Battery Voltage & Capacity: 48V / 18Ah	



Make & Model:	
HONBIKE U4	
PAB Manufacturer:	
Honebike B.V.	
Battery Model:	avere
WD-CD3612-A	
Battery Manufacturer:	
Hunan Wisdom Technology Co.,Ltd	
Battery Voltage & Capacity:	
36V / 12Ah	
Make & Model:	
JI-MOVE MC	6
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	
Make & Model:	
JI-MOVE MC-PRO 2.0	San-
PAB Manufacturer:	
Shijiazhuang Gaodi Technology	
Co.,Ltd	
Battery Model:	
SNHB1481920	
	JIMOVE
Battery Manufacturer:	
DongGuan Yizhan Electronics	
technology Co.,Ltd	
Battery Voltage & Capacity:	
48V / 19.2Ah	

	1
Make & Model: 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	×10
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)	

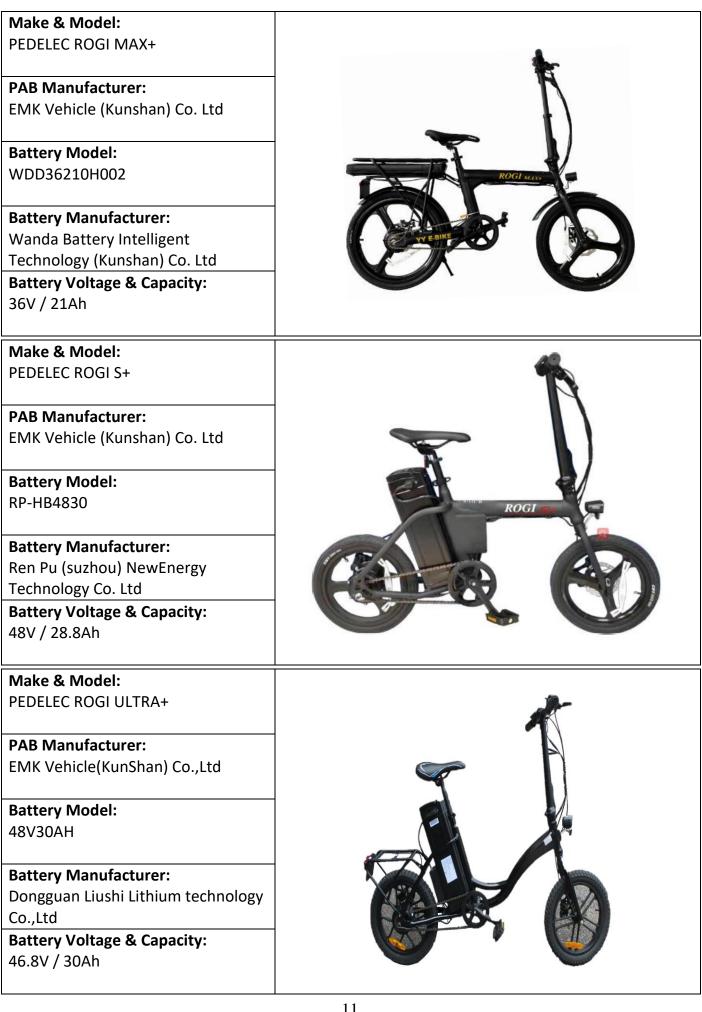


Make & Model:	
MIDO PRO	
PAB Manufacturer:	
YY Scooter Pte Ltd	₩
Battery Model:	
WDD36105X242	
	MIDOrno
Battery Manufacturer:	
Wanda Battery Intelligent	
Technology Co., Ltd.	
Battery Voltage & Capacity:	
36V / 10.5Ah	
5007 10.541	
Make & Model:	
MOBOT CITY LS	
DAR Manufacturary	-11
PAB Manufacturer:	
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	
	7
	I

Make & Model: 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 S3PAB Manufacturer: Dongguan Lehe Intelligent Technology Co. LtdBattery Model: NZ0131004Battery Manufacturer: Guangdong Greenway Technology Co. LtdBattery Voltage & Capacity: 36V (10.4Ah / 11.6Ah)	
Make & Model: MOBOT ORCA 3.0PAB Manufacturer: Shenzhen Yijiao Electric Vehicles Co., Ltd.Battery Model: 48V20AhBattery Manufacturer: Dongguan Liushi Lithium Technology Co., Ltd.Battery Voltage & Capacity: 46.8V / 20Ah	<image/> <image/>

Make & Model: 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	7
PAB Manufacturer: Dongguan Lehe Intelligent Technology Co.,Ltd	
Battery Model: LH0258	
Battery Manufacturer: Shenzhen Yima power Supply Co.,Ltd	
Battery Voltage & Capacity: 48V / 25AH	

Make & Model: 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: ONS-GE1	k
PAB Manufacturer: Huizhou Jieguan Technology Co.,Ltd	
Battery Model: HC-Thunderbirdsd24810.4	
Battery Manufacturer: Jin Hua Heng Chuang New Energy Co.,Ltd	
Battery Voltage & Capacity: 48V / 10.4Ah	
Make & Model: PEDELEC ROGI KING+	A
PAB Manufacturer: EMK Vehicle (Kunshan) Co. Ltd	$\langle T \rangle = \langle T \rangle$
Battery Model: RP-HB4824	ROGI
Battery Manufacturer: Ren Pu (suzhou)NewEnergy Technology Co,.Ltd	
Battery Voltage & Capacity: 48V / 24Ah	



Make & Model: PEDELEC ROGI ULTRA+ PAB Manufacturer: Shenzhen Yijiao Electric Vehicles Co.,Ltd Battery Model: 48V30AH Battery Manufacturer: Decement in the intervention of the second s	
Dongguan Liushi Lithium technology Co.,Ltd Battery Voltage & Capacity: 46.8V / 30Ah	
Make & Model: Polygon Gili Velo	
PAB Manufacturer: PT.Insera Sena	T
Battery Model: YT30240	
Battery Manufacturer: Yun Tong Power Co.,Ltd	
Battery Voltage & Capacity: 36V / 7Ah	
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: ULLMAX MTB 26+	
PAB Manufacturer:	
Kushan Huan Yu Intelligent	
Technology Co.,Ltd	*
Battery Model:	
RP-HLMAX4810	
Battery Manufacturer:	
Ren Pu(suzhou)New Energy	
Technology Co.,Ltd	
Battery Voltage & Capacity:	
46.8V / 10.2Ah	
Make & Model:	
VEEBIKE F7	
PAB Manufacturer:	L. \\
Hangzhou TOP Mechanical and	
Electricial technology Co.,Ltd	
Battery Model:	N 45//
VK-36V10.5Ah-Ebike-A	VEEBINE F7
Battery Manufacturer:	
Ningbo Veken New Energy	
Technology Co.,Ltd	
Battery Voltage & Capacity:	
36V / 10.5Ah	
Make & Model:	
VENOM 2+ 001Z	
PAB Manufacturer:	
Zhongxin Power (Tianjin) Bicycle Co.	
Ltd.	
Battery Model:	
O LONG 2Z	
Battery Manufacturer:	and the second s
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

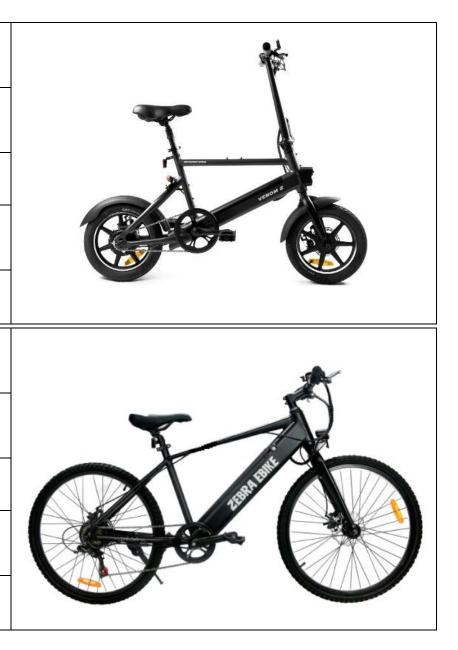
Make & Model: ZEBRA M037

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

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

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:	
APOLLO SMART 1S+	
PAB Manufacturer:	
Zhejiang Apollo Motorcycle	
Manufacturer Co. Ltd.	
Battery Model:	
Smart	Va
Battery Manufacturer:	
LN Energy	
Battery Voltage & Capacity:	
36V / 7.8Ah	
Make & Model:	<u>I</u>
BESV PS1	
DL3V F31	×
PAB Manufacturer:	
Darfon Electronics Corporation	
Detter Medel	
Battery Model:	Resv
-	
Detter March for the second	
Battery Manufacturer:	
-	
Pottony Voltage & Conseitur	
Battery Voltage & Capacity:	
-	
Make & Model:	
DEUSVOLTS DV-X	
PAB Manufacturer:	
Kunshan Landon Trade Co., Ltd.	
Battery Model:	
T11CFH1WKL8A	
Dettem Mens for the second	
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 R01	
PAB Manufacturer: Frey Vehicle Ltd.	T T
Battery Model: FREY 300	
Battery Manufacturer: Hangzhou Lin'an Beyonder Power Co. Ltd.	
Battery Voltage & Capacity: 36V / 6Ah	
Make & Model: 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 MCPAB Manufacturer:Foshan JI-MOVE InformationTechnology Co. Ltd.Battery Model:XNDL-JD03Battery Manufacturer:Shenzhen Xinneng Dynamic PowerCo Ltd.Battery Voltage & Capacity:36V / 20.8Ah	
Make & Model: KERNAL AM-GTPAB Manufacturer: Shenzhen Yijiao Electric Vehicle Co., Ltd.Battery Model: 13S5PBattery Manufacturer: Shenzhen Xi Pinzhi technology co. LTDBattery Voltage & Capacity: 48V / 17.5Ah	
Make & Model: KERNEL ORCAPAB Manufacturer: Shenzhen Yijiao Electric Vehicles Co., Ltd.Battery Model: 13S4PBattery Manufacturer: Shenzhen Matrix Power Supply Technology Co., LtdBattery 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	(hr:
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	
Make & Model: MINIMOTORS SCORPION	
PAB Manufacturer: Shenzhen Concepts Wit Technology Co. Ltd.	
Battery Model: GNS6	SECONPILITY
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	мовот
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	MOBOT
Battery Manufacturer: Shezhen Victpower Technology Co. Ltd.	
Battery Voltage & Capacity: 36V / 7.6Ah	
Make & Model: 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	

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Make & Model: PEDELEC MIDO

PAB Manufacturer: Guangzhou Symbol Bicycle Co. Ltd.

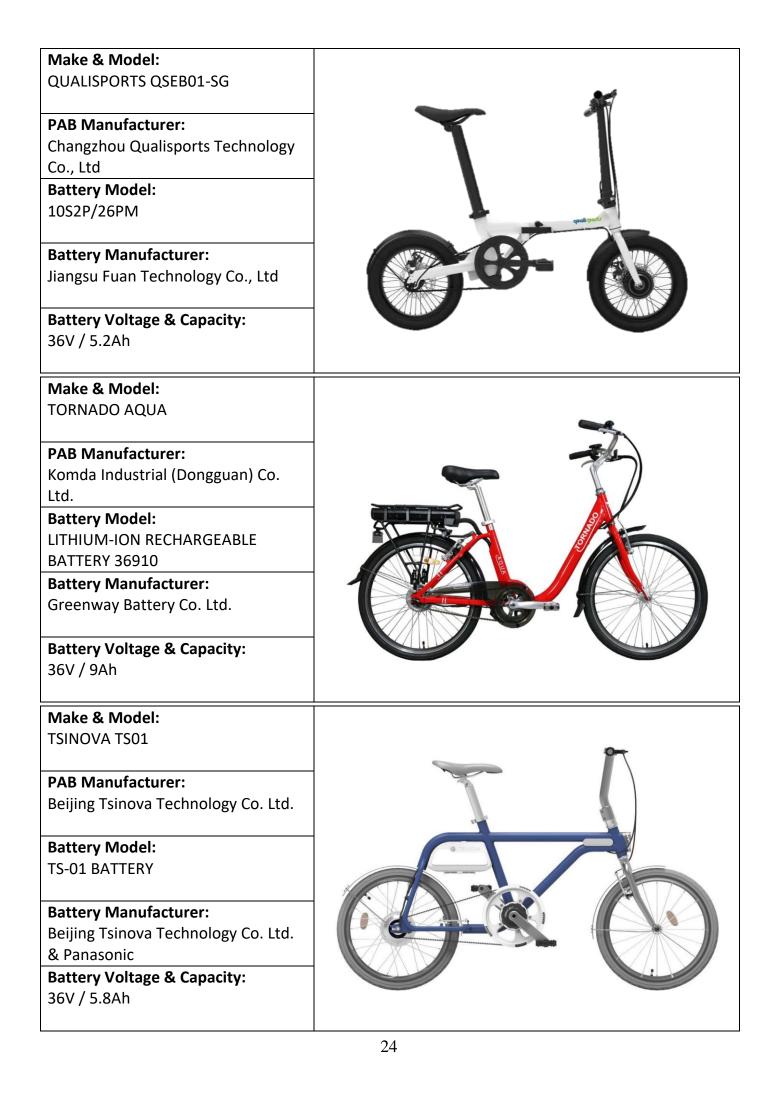
Battery Model: HA184

Battery Manufacturer: Shen Zhen HANI Energy Technology Co., Ltd.

Battery Voltage & Capacity: 36V / 8.7Ah



Make & Model:PEDELEC ROGIPAB Manufacturer:Changzhou Daimyo Vehicle Co., LTD	
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	ROGIMAX
Battery Manufacturer: Zhejiang Tianhong Lithium-Ion Battery Co., Ltd.	
Battery Voltage & Capacity: 48V / 14Ah	
Make & Model: PEDELEC ROGI PRO	
PAB Manufacturer: YY Scooter Pte Ltd	
Battery Model: Li-Ion Battery, 48V14Ah	
Battery Manufacturer: ZheJiang Tianhong Lithium-Ion Battery CO.,LTD.	ROGI PRO
Battery Voltage & Capacity: 48V / 14Ah	



ULLMAX-MTB24 PAB Manufacturer:	
PAB Manufacturer	
EMK Vehicle (Kunshan) Co., Ltd	
Battery Model:	1 0 01
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	VEEBINE F7
Battery Manufacturer:	
Zhejiang Changxing DWP Energy	
Technology Co., Ltd.	
Battery Voltage & Capacity: 36V / 7.5Ah	
Make & Model:	
XILIDA TDN20QQ	-907
PAB Manufacturer:	
Shenzhen Rongxinfa Lithium	
Electricity Technology Co. Ltd.	express*
Battery Model:	
HC10S4P	
Battery Manufacturer:	
Shenzhen Heng Deli New Energy Co.	
Ltd.	
Battery Voltage & Capacity:	
36V / 8Ah	
	25

Make & Model:YUNMAKE TDM01ZPAB Manufacturer:Hangzhou Yunmake Technology Co.Ltd.Battery Model:C1 C-SERIESBattery Manufacturer:Hangzhou Yunmake Technology Co.Ltd.Battery Voltage & Capacity:36V / 5.1Ah	
Make & Model:YUNMAKE TDN02ZPAB Manufacturer:Hangzhou Yunmake Technology Co.Ltd.Battery Model:C1 C-SERIESBattery Manufacturer:Hangzhou Yunmake Technology Co.Ltd.Battery Voltage & Capacity:36V / 5.1Ah	
Make & Model:ZEBRA A5AH24PAB Manufacturer:Zhuhai Shuangye ElectronicTechnology Co. Ltd.Battery Model:36V9AHBattery Manufacturer:Zhuhai Shuangye ElectronicTechnology Co. Ltd.Battery Manufacturer:Zhuhai Shuangye ElectronicTechnology Co. Ltd.Battery Voltage & Capacity:36V / 9Ah	