

The Comparison of Z16 and Z16 MAX

HIMO



01 Parameter

Model



Z16



Z16 MAX

Parameter

	Z16	Z16 Max
Size of Tyre	16 inch	16 inch
Product Weight	22.5kg	22.5kg
Range (Electric-assisted)	about 80km	about 80km
Motor power	250w	250w (Pass EN15194 certification)
Battery	10Ah	10Ah (Pass IEC62133)
Controller	1.0 control system	2.0 control system (Pass EN15194 certification)
Brake	Front and rear Mechanical disc brake	Front and rear Mechanical disc brake
Throttle	Yes	No (Compliant with EU standards)
Lights	Normal light	E-Mark/Z-mark
Bell/alarm device	Normal bell	ISO 14878 Class II.
CE Label	NO	Yes
Handlebar frame fixing	Adjustable and easy to loosen (Can withstand 10,000 shocks)	New fixing system (Can withstand 100,000 shocks)
Pedal	Ordinary plastic	Aluminum alloy Material



02 CE certificate from SGS lab for Z16 Max

Professional CE certificate issued by SGS lab



Through various tests of SGS lab, the quality is reliable and guaranteed

SGS is the world's leading inspection, verification, testing and certification body, recognized as the benchmark for quality and integrity.

VERIFICATION OF MD COMPLIANCE

No.:	TJHL2011007614BC-01C
Product Description:	HIMO Z20 ELECTRIC POWERED BICYCLE
Style/Item No.:	Z20
Applicant:	SHANGHAI HIMO ELECTRIC TECHNOLOGY CO., LTD ROOM K50, 1ST FLOOR, BUILDING 6, NO.4299 JINDU ROAD, MINGHANG DISTRICT, SHANGHAI
Manufacturer:	SHANGHAI HIMO ELECTRIC TECHNOLOGY CO., LTD ROOM K50, 1ST FLOOR, BUILDING 6, NO.4299 JINDU ROAD, MINGHANG DISTRICT, SHANGHAI
Technical Specification:	MAXIMUM CONTINUOUS RATED POWER:0.25KW CUT OFF SPEED:24 km/h BATTERY OUTPUT VOLTAGE: 36V
Sufficient sample of the product have been tested and found to be in conformity with	
Test Standard:	EN 15194:2017 EN 12100:2010 EN ISO 13849-1:2015
as shown in the	
Test Report Number(s):	TJHL2011007614BC-01 SHES201102403801

This Verification of MD Compliance has been granted to the applicant based on the results of tests performed by Laboratory of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. On sampled of the above-mentioned product in accordance with the provisions of the relevant specific standards and the Machinery Directive 2006/42/EC. The CE mark as shown below can be affixed under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives. The affixing of the CE marking presumes in addition that the conditions in annexes III of the Directive are fulfilled.


Dorana Gu
CRS/Leadline SBU Certification Manager
SGS-CSTC Standards Technical Services, Co., Ltd

February 24, 2021
Page 1 of 1

Copyright of this verification is owned by SGS-CSTC Standards Technical Services Co., Ltd. and may not be reproduced other than in full and with the prior approval of the General Manager. This verification is subjected to the governance of the General Conditions of Services, printed overleaf.

Member of SGS Group (Société Générale de Surveillance)

This document is issued, on the Client's behalf, by the Company under its General Conditions of Service printed overleaf. The Client's attention is drawn to the limitation of liability, indemnification and jurisdiction clauses defined therein.

Any other holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not constitute part of a transaction from oversteering all their rights and obligations under the transaction documents.

SGSPAPER
20036880 

Electric Assisted Bicycle Standard *EN15194:2017*

Through the EU regulation EN15194 standard, Electric Assisted Bicycle can be legally driven on European roads

- The most important factors involved in the EN15194 standard:
 - Electric Power Assisted Two-Wheelers (EPACs) must not exceed 48 volts;
 - the maximum horsepower does not exceed 250 watts;
 - When the speed reaches 25 kilometers per hour, the output power gradually weakens until the power is cut off;
- The main test contents of the EU electric bicycle standard EN15194:2009:
 - Mechanical Safety + Electrical Safety + Electromagnetic Compatibility



Test Requested	Conclusion
EN 15194:2017 CYCLES - ELECTRICALLY POWER ASSISTED CYCLES - EPAC	PASS

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Tianjin) Co., Ltd.

Michael

Michael Wen
Authorized Signatory





03 Details of lights/throttle etc.important part

1,Lights



Z16
normal headlight



Z16 Max
headlight with reflector
passed E-Mark certificate

2,Grip



Z16

- poor quality grips



Z16 Max

- Good quality grips

3,Throttle



- Z16
- With throttle

- Z16 Max
- No throttle(electric assist)
(Compliant with EU standards)

4,CE Label



- Z16
- No CE sticker



- Z16 Max
- With CE sticker

5, Pedal



- Z16
- Normal pedal



- Z16 Max
- Better quality pedal and stronger

6, Handlebar frame fixing



- Z16
- Adjustable and easy to loosen
- (Can withstand 1,000 shocks)



- Z16 Max
- New fixing system
- (Can withstand 10,000 shocks)