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02 SEPTEMBER 2009

Dear Sir / Madam,

Reference Approval Number: e11\*2002/24\*0892\*00

Communication of approvals in accordance with Directive 2002/24/EC.

Please find enclosed the above-mentioned document certifying the homologation of the vehicle in accordance with Directive 2002/24/EC.

Yours faithfully

A.W. STENNING  
Head of Technical & Quality Group





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THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY  
EC TYPE-APPROVAL CERTIFICATE

Communication concerning Type-Approval of a type of vehicle  
with regard to Directive 2002/24/EC

Type-Approval number: e11\*2002/24\*0892\*00

Reason for extension: N/A

0. GENERAL

0.1. Make(s) (trade name of the manufacturer): GOLDENKEY

0.2. Type: GK122

Variant 1: Lithium battery

Variant 2: Silicon battery

0.2.1. Commercial name(s): GK122

0.3. Means of identification of type, if marked on the vehicle: N/A

0.3.1. Location of that marking: N/A

0.4. Category<sup>(2)</sup>: L3e

0.5. Name and address of the vehicle manufacturer:

GOLDENKEY ELECTRIC VEHICLE CO.,LTD  
Changle Industrial Zone, Yongkang ,Zhejiang Province,  
PEOPLE'S REPUBLIC OF CHINA

0.5.1. Name(s) and address(es) of assembly plant(s):

SHANGHAI HUARI ENTERPRISE DEVELOPMENT CO.,LTD  
No.101,Qianming East Rd ,Fengjing Industrial Zone, Jingshan District, Shanghai Province,  
PEOPLE'S REPUBLIC OF CHINA



The undersigned hereby certifies the accuracy of the manufacturer's description in the attached information document of the vehicle type described above, for which one or several representative samples, selected by the competent approval authorities, has (have) been submitted as prototype(s) of the vehicle type and that the attached test results are applicable to the vehicle type.

The vehicle type meets the technical requirements of all the relevant separate Directives (as last amended) listed in the table of Annex I to Directive 2002/24/EC.

The approval is GRANTED

Place: BRISTOL

Signature: 

A.W STENNING  
Head of Technical & Quality Group

Date: 02 SEPTEMBER 2009

Attachments: Information document, Parts 1 and 2 (Annex II).

Test results (Annex VII).

Name(s) and specimen(s) of the signature of the persons authorised to sign the certificates of conformity and a statement of their position in the company.

A model certificate of conformity.

- (1) Delete where not applicable.
- (2) According to the classification introduced in Article 1.

CSK206080





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APPROVAL NUMBER: e11\*2002/24\*0892\*00

## INFORMATION PACKAGE CONTENTS

### INDEX

**REVISION NUMBER: Not applicable**

Total number of sheets: 53 (Fifty-three)

Number of separate drawings: 0 (Nil)

Number of separate photographs: 0 (Nil)

Reasons for Revision: Not applicable

CSK206080

Revision  
date  
&  
Office stamp

An executive agency of the Department for Transport





VEHICLE CERTIFICATION AGENCY

## ANNEX VII " TEST RESULTS

e11\*2002/24\*0892\*00

(Article 5(1), first subparagraph)

(This sheet must be completed by the approval authority and be attached to the vehicle type approval certificate)

In each case, the information must make clear to which variant and version it is applicable. One version may not have more than one result.

**Note: The electric motorcycle don;t conduct the emission, sound level tests.**

1. Results of the sound level tests according to Directive 97/24/EC Chapter 9

Variant/version : \_\_\_\_\_

Moving dB(A) : \_\_\_\_\_

Stationary dB(A) : \_\_\_\_\_

at (min\_1) : \_\_\_\_\_

2. Results of the exhaust emission tests according to Directive 97/24/EC Chapter 5 Annex II, as amended by 2006/120/EC

Variant/version : \_\_\_\_\_

2.1. Type I

CO (g/km) : \_\_\_\_\_

HC (g/km) (1) : \_\_\_\_\_

NOx (g/km) (1) : \_\_\_\_\_

HC + NOx (g/km) (2) : \_\_\_\_\_

2.2 Type II

CO (g/min) (1) : \_\_\_\_\_

HC (g/min) (1) : \_\_\_\_\_

CO (% vol) at normal idle speed (2) : \_\_\_\_\_

Specify the idle speed (2) (3) : \_\_\_\_\_

CO (% vol) at high idle speed (2) : \_\_\_\_\_

Specify the idle speed (2) (3) : \_\_\_\_\_

Engine oil temperature (2) (4) : \_\_\_\_\_

3. Compression ignition engine : \_\_\_\_\_

Variant/version : \_\_\_\_\_

Corrected value of absorption coefficient:

(m-1)

CO at Idle



Information document: 2002 /24-HRTK122-00  
Application date: June 2, 2009

Document information about : Two- wheel motorcycle

Reference number of information document: 2002 /24-HRTK122-00

Application date: June 2, 2009

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HRTK122-02	Battery installation	2.
HRTK122-03	Speedometer	3.
HRTK122-04	Front fork Suspension	4.
HRTK122-05	RearSuspension	5.
HRTK122-06	Brake System	6.
HRTK122-07	Front brake pads assy.	7.
HRTK122-08	Rearbrakepadsassy.	8.
HRTK122-09	Front brake pad	9.
HRTK122-10	Rearbrakepad	10.
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### III STATEMENT CONCERNING ANTI TAMPERING REQUIREMENTS AND ANTI THEFT DEVICE (IF APPLICABLE)

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02-Sep-09

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**2002/24/EC ANNEX II  
INFORMATION DOCUMENT<sup>(a)</sup>**

**PART 1A. INFORMATION RELATING JOINTLY TO MOPEDS, MOTOR CYCLES, MOTOR TRICYCLES  
AND QUADRICYCLES**

**0. General**

- 0.1. Make : GOLDENKEY
- 0.2. Type (state any possible variants and versions: each variant and each version must be identified by a code consisting of numbers or a combination of letters and numbers)  
Variant : Variant 1: Lithium battery  
Variant 2: Silicon battery  
Version : n.a.
- 0.2.1. Commercial name (where applicable) : GK122
- 0.3. Means of type identification if stated on vehicle<sup>(b)</sup> : n.a.
- 0.3.1. Location of that means of identification : n.a.
- 0.4. Vehicle category<sup>(c)</sup> : L3e
- 0.5. Name and address of manufacturer : GOLDENKEY ELECTRIC VEHICLE CO., LTD.  
Changle Industrial Zone,  
Yongkang ,ZhejiangProvince,  
P.R. China
- 0.5.1. Name(s) and addresse(s) of assembly plants : SHANGHAI HUARI ENTERPRISE  
DEVELOPMENT CO., LTD.  
NO.101,Qianming Eastrd ,Fengjing Industrial  
Zone, Jingshan District, Shanghai Province,  
P.R. China
- 0.6. Name and address of manufacturer's authorised representative, if any : n.a.
- 0.7. Location and method of affixing statutory inscriptions to the chassis : Statutory inscription affixed on the right side of frame and near the main stand bracket;  
VIN number stamped on the right side of chassis
- 0.7.1. The serial numbering of the type begins with No : Variant1: LXDT1ZW0□97000001  
Variant2: LXDTXZW0□97000001  
The ninth character; □; means check number calculated automatically by VIN-print system, possible character including ;0,1,2,3,4,5,6,7,8,9,X;
- 0.8. Position and method of affixing the component type-approval mark for components and separate technical : Mark on the surface of the component and made by molding



units

**1. General arrangement of the vehicle**

- 1.1. Photos and/or drawings of a typical vehicle : Refer to drawing No. HRTK122-01
- 1.2. Dimensional drawing of the complete vehicle : Refer to drawing No. HRTK122-01
- 1.2.1. Wheelbase : 1440mm
- 1.3. Number of axles and wheels (where appropriate, number of crawler tracks or belts) : 2 axles / 2 wheels
- 1.4. Position and arrangement of engine : In the centre of rear wheel
- 1.5. Number of seating positions : 2
- 1.6. Hand of drive - left or right<sup>(1)</sup>
- 1.6.1. Vehicle is equipped to be driven in right-hand or left-hand rule of the road traffic<sup>(1)</sup> : Left and Right

**2. Masses (in kg)<sup>(2)</sup>**

		<b>Lithium</b>	<b>Silicon</b>
2.0.	Unladen mass <sup>(d) (i)</sup>	: 132	172
2.1.	Mass of vehicle in running order <sup>0</sup>	: 132	172
2.1.1.	Distribution of that mass between the axles	Front: 58 Rear: 74	Front: 77 Rear: 95
2.2.	Mass of vehicle in running order , together with rider	: 207	247
2.2.1.	Distribution of that mass between the axles	Front: 100 Rear: 107	Front: 114 Rear: 133
2.3.	Maximum technically permissible mass declared by the manufacturer	: 282	322
2.3.1.	Division of that mass between the axles	Front: 110 Rear: 172	Front: 128 Rear: 194
2.3.2.	Maximum technically permissible mass on each of the axles	Front: 110 Rear: 172	Front: 128 Rear: 194
2.4.	Maximum hill-starting ability at the maximum technically permissible mass declared by the manufacturer	: 30%	
2.5.	Maximum towable mass (where applicable)	: n.a.	
2.6.	Maximum mass of the combination	: n.a.	

**3. Engine<sup>0</sup>**

- 3.0. Manufacturer : Luqiao Aluminium Co., Ltd.



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 Application date: June 2, 2009

3.1.	Make	:	QUANSHUN
3.1.1.	Type (stated on the engine, or other means of identification)	:	60V50080
3.1.2.	Location of engine number (if applicable) _____	:	Side face of motor, Refer to drawing No. HRTK122-29
3.2.	Spark- or compression-ignition engine <sup>(1)</sup>	:	n.a.
3.2.1.	Specific characteristics of the engine		
3.2.1.1.	Operating cycle (four or two-stroke, spark or compression ignition) <sup>(1)</sup>	:	n.a.
3.2.1.2.	Number, arrangement and firing order of cylinders	:	n.a.
3.2.1.2.1.	Bore <sup>(1)</sup>	:	n.a.
3.2.1.2.2.	Stroke <sup>(1)</sup>	:	n.a.
3.2.1.3.	Cylinder capacity <sup>(9)</sup>	:	n.a.
3.2.1.4.	Compression ratio <sup>(2)</sup>	:	n.a.
3.2.1.5.	Drawings of cylinder head, piston(s), piston rings and cylinder(s)	:	n.a.
3.2.1.6.	Idling speed	:	n.a.
3.2.1.7.	Maximum net power output	:	n.a.
3.2.1.8.	Net maximum torque	:	n.a.
3.2.2.	Fuel	:	n.a.
3.2.3.	Fuel tank		
3.2.3.1.	Maximum capacity <sup>(2)</sup>	:	n.a.
3.2.3.2.	Drawing of tank with indication of material used	:	n.a.
3.2.3.3.	Diagram clearly indicating the position of the tank on the vehicle	:	n.a.
3.2.3.4.	Approval number of the fuel tank fitted	:	n.a.
3.2.4.	Fuel supply		
3.2.4.1.	Via carburettor(s)	:	n.a.
3.2.4.1.1.	Make(s)	:	n.a.
3.2.4.1.2.	Type(s)	:	n.a.
3.2.4.1.3.	Number fitted	:	n.a.
3.2.4.1.4.	Settings <sup>(2)</sup> i.e. of		
3.2.4.1.4.1.	Diffusers	:	n.a.
3.2.4.1.4.2.	Level in float chamber	:	n.a.
3.2.4.1.4.3.	Mass of float	:	n.a.
3.2.4.1.4.4.	Float needle or	:	n.a.



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3.2.4.1.4.5.	Fuel curve as a function of the air flow and setting required in order to maintain that curve	:	n.a.
3.2.4.1.5.	Cold-starting system <sup>(1)</sup>	:	n.a.
3.2.4.1.5.1.	Operating principle(s)	:	n.a.
3.2.4.2.	By fuel injection (solely in the case of compression ignition) (yes/no)	:	n.a.
3.2.4.3.	By fuel injection (solely in the case of spark-ignition)	:	n.a.
3.2.4.4.	Fuel pump	:	n.a.
3.2.5.	Electrical equipment		
3.2.5.1.	Nominal voltage	:	n.a.
3.2.5.2.	Generator		
3.2.5.2.1.	Type	:	n.a.
3.2.5.2.2.	Nominal power	:	n.a.
3.2.6.	Ignition		
3.2.6.1.	Make(s)	:	n.a.
3.2.6.2.	Type(s)	:	n.a.
3.2.6.3.	Operating principle	:	n.a.
3.2.6.4.	Ignition advance curve or operating set point <sup>(2)</sup>	:	n.a.
3.2.6.5.	Static timing <sup>(2)</sup>	:	n.a.
3.2.6.6.	Points gap <sup>(2)</sup>	:	n.a.
3.2.6.7.	Dwell angle <sup>(2)</sup>	:	n.a.
3.2.6.8.	Anti-radio interference system		
3.2.6.8.1.	Terminology and drawing of anti-radio interference equipment	:	n.a.
3.2.6.8.2.	Indication of the nominal DC resistance value and, in the case of resistive ignition leads, statement of nominal resistance <u>per metre</u>	:	n.a.
3.2.7.	Cooling system ( liquid/air ) <sup>(1)</sup>		
3.2.7.1.	Nominal setting for the engine-temperature control device	:	n.a.
3.2.7.2.	Liquid		
3.2.7.2.1.	Nature of liquid	:	n.a.
3.2.7.2.2.	Circulating pump(s)	:	n.a.
3.2.7.3.	Air		
3.2.7.3.1.	Blower	:	n.a.
3.2.8.	Induction system		
3.2.8.1.	Supercharging	:	n.a.
3.2.8.1.1.	Make(s)	:	n.a.



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3.2.8.1.2.	Type(s)	:	n.a.
3.2.8.1.3.	Description of system [example: maximum boost pressure in kPa, waste gate (where appropriate)]	:	n.a.
3.2.8.2.	Intercooler	:	n.a.
3.2.8.3.	Description and drawings of induction pipe work and accessories (plenum chamber, heating device, additional air intakes, etc.)	:	n.a.
3.2.8.3.1.	Description of induction manifold (with drawings and/or photos)	:	n.a.
3.2.8.3.2.	Air filter, drawings	:	n.a.
	or		
3.2.8.3.2.1.	Make(s)	:	n.a.
3.2.8.3.2.2.	Type(s)	:	n.a.
3.2.8.3.3.	Inlet silencer, drawings	:	n.a.
	or		
3.2.8.3.3.1.	Make(s)	:	n.a.
3.2.8.3.3.2.	Type(s)	:	n.a.
3.2.9.	Exhaust system		
3.2.9.1.	Drawing of complete exhaust system	:	n.a.
3.2.10.	Minimum cross-section of the inlet and exhaust ports	:	n.a.
3.2.11.	Induction system or equivalent data		
3.2.11.1.	Maximum valve lift, opening and closing angles in relation to the dead centres, or data concerning the settings of other possible systems	:	n.a.
3.2.11.2.	Reference and/or setting ranges <sup>(1)</sup>	:	n.a.
3.2.12.	Anti-air pollution measures adopted		
3.2.12.1.	Crankcase-gas recycling device, solely in the case of four-stroke engines (description and drawings)	:	n.a.
3.2.12.2.	Additional anti-pollution devices (where present and not included under another heading)	:	n.a.
3.2.12.2.1.	Description and/or drawings	:	n.a.
3.2.13.	Location of the coefficient of absorption symbol (compression-ignition engines only)	:	n.a.
3.3.	Electric traction motor		
3.3.1.	Type (winding, excitation)	:	Winding
3.3.1.1.	Maximum continuous rated power <sup>(3)</sup> :		5000w



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3.3.1.2. Operating voltage	:	60V	
3.3.2. Battery		Lithium	Silicon
3.3.2.1. Number of cells	:	5 groups: One battery has 6 cells, one group has two batteries	5 groups: One battery has 6 cells, one group has two batteries
3.3.2.2. Mass	:	Total:31kg	Total:65kg
3.3.2.3. Capacity	:	Total:38Ah	Total:46Ah
3.3.2.4. Location	:	In the middle of the vehicle Refer to drawing No. HRTK122-02	In the middle of the vehicle Refer to drawing No. HRTK122-02
3.4. Other motors or combinations of motors (specific information concerning the parts of those motors)	:	n.a.	
3.5. Cooling system temperatures permitted by the manufacturer	:	n.a.	
3.6. Lubrication system	:	n.a.	
4. Transmission <sup>(n)</sup>			
4.1. Diagram of transmission system	:	n.a.	
4.2. Type (mechanical, hydraulic, electrical, etc.)	:	n.a.	
4.3. Clutch (type)	:	n.a.	
4.4. Gearbox	:	n.a.	
4.4.1. Type	:	n.a.	
4.4.2. Method of selection	:	n.a.	
4.5. Gear ratios	:	n.a.	
4.5.1. Brief description of the electrical and/or electronic components used in the transmission	:	n.a.	
4.6. Maximum speed of vehicle and gear in which it is reached (in km/h) <sup>o</sup>	:	Lithium 80 km/h, n.a.	Silicon 80 km/h, n.a.
4.7. Speedometer			
4.7.1. Make(s)	:	GUIDU	
4.7.2. Type(s)	:	HRTK122	
4.7.3. Photographs and/or drawings of the complete system	:	Refer to drawing 03	No.HRTK122-
4.7.4. Speed range displayed			
4.7.5. Tolerance of the measuring mechanism of the speedometer	:	0~100km/h,0~60mph +5km/h	



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- 4.7.6. Technical constant of the speedometer : 8.35 rpm/degree
- 4.7.7. Method of operation and description of the drive mechanism : Front wheel makes worm wheel turn to drive worm, soft-axes to meter worm
- 4.7.8. Overall transmission ratio of the drive mechanism : 22:12

**5. Suspension**

- 5.1. Drawing of suspension arrangement : Refer to drawing No. HRTK122-04, HRTK122-05
- 5.1.1. Brief description of the electrical and/or electronic components used in the suspension : n.a.
- 5.2. Tyres (category, dimensions and maximum loading) and rims (standard type)

	Tire	Approval No.	Rolling circumference	Tire Pressure	Rim size
Front	130/60-13 53J	E4-75R-0002525	1486mm	225Kpa	3.50, 13
Rear	130/60-13 53J	E4-75R-0002525	1486mm	225Kpa	3.50, 13

- 5.2.1. Nominal rolling circumference : See section 5.2 table
- 5.2.2. Tyre pressures recommended by the manufacturer : See section 5.2 table
- 5.2.3. Tyre/wheel combinations : See section 5.2 table
- 5.2.4. Minimum-speed category symbol compatible with the theoretical maximum design speed of the vehicle : F
- 5.2.5. Minimum load-capacity index with the maximum load on each tyre : Front:37  
Rear:51
- 5.2.6. Categories of use compatible for the vehicle : Normal

**6. Steering**

- 6.1. Steering gear and control
- 6.1.1. Type of gear : Telescopic fork steering stem manual controlled by driver
- 6.1.2. Brief description of the electrical and/or electronic components used in the steering system : n.a.

**7. Braking**

- 7.1. Diagram of braking devices : Refer to drawing No. HRTK122-06
- 7.2. Front disc / drum brake<sup>o)</sup> disc Front:



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- Rear disc / drum brake <sup>(1)</sup> : Rear: disc
- 7.2.1. Make(s) : Front: Ruijan City ZhanXiang Motor Parts Co., Ltd.  
Rear: Ruijan City ZhanXiang Motor Parts Co., Ltd.
- 7.2.2. Type(s) : Front: 220-3  
Rear: 220-3
- 7.3. Drawing of parts of the brake system
- 7.3.1. Shoes and/or pads <sup>(1)</sup> : Refer to drawing No. HRTK122-07, HRTK122-08,
- 7.3.2. Linings and/or pads (Indicate make, grade of material or identification mark)<sup>(1)</sup> : Refer to drawing No. HRTK122-09, HRTK122-10
- 7.3.3. Brake levers and/or pedals <sup>(1)</sup> : Refer to drawing No. HRTK122-11, HRTK122-12
- 7.3.4. Hydraulic reservoirs (where applicable) : Refer to drawing No. HRTK122-13
- 7.4. Other devices (where applicable) : n.a.  
drawing and description : n.a.
- 7.5. Brief description of the electrical and/or electronic components used in the braking system : n.a.

**8. Lighting and light-signalling devices**

- 8.1. List of all devices (mentioning the number, make(s), model, component type-approval mark(s), the maximum intensity of the main-beam headlamps, colour, the corresponding tell-tale)

Name	Qty	Tell tale	Color	MAX INT.	Make Model	Type	Type-approval mark
Main beam	2	blue white		22500cd	DAYANG	DYDS-D02 E11	113R-000067
Dipped beam	2	/	white	/		DYDS-D02 E11	113R-000067
Front position lamp	1	Via Panel lamp	white /			DYDS-W02Q	E11-50R-001198
Front direction indicator	2	green	amber	/		DYDS-Z02Q	E11-50R-001199
Rear direction indicator	2	green	amber	/		DYDS-Z02H	E11-50R-001200
Stop lamp	1	/	red	/		DYDS-H02 E11	50R-001416
Rear position lamp	1	Via Panel lamp	red	/		DYDS-H02 E11	50R-001416



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Rear registration plate lamp	1	/	white	/	DBM or	DYDS-H02	E11-50R-001202
Rear reflector	1	/	red	/	K-LITE	KM-202	IA E9-02 1268
Side reflecting devices	2	/	amber	/	DBM or K-LITE	KM-101	IA E9-02 1270

- 8.2. Diagram showing the location of the lighting and light-signalling devices : Refer to drawing No. HRTK122-14
- 8.3. Hazard warning lamps (where fitted) : n.a.
- 8.4. Additional requirements relating to special vehicles : n.a.
- 8.5. Brief description of the electrical and/or electronic components used in the lighting system and in the light-signalling system : n.a.

**9. EQUIPMENT**

9.1. Coupling devices (where applicable)

- 9.1.1. Type (hook/ring/other)<sup>(1)</sup> : n.a.
- 9.1.2. Photograph and/or drawings showing the position and the construction of the coupling devices : n.a.
- 9.2. Arrangement and identification of controls, tell-tales and indicators
  - 9.2.1. Photographs and/or drawings of the arrangement of the symbols, controls, tell-tales and indicators : Refer to drawing No. HRTK122-15
- 9.3. Statutory inscriptions
  - 9.3.1. Photographs and/or drawings showing the location of the statutory inscriptions and the chassis number : Refer to drawing No. HRTK122-16
  - 9.3.2. Photographs and/or drawings showing the official part of the inscription (with statement of dimensions) : Refer to drawing No. HRTK122-17(1), HRTK122-17(2)
  - 9.3.3. Photographs and/or drawings of the chassis number (with statement of dimensions) : Refer to drawing No. HRTK122-27(1), HRTK122-27(2)
- 9.4. Device(s) to protect against unauthorised use
  - 9.4.1. Type of device(s) : Type 2
  - 9.4.2. Summary description of device(s) used : Steering lock, Refer to drawing No. HRTK122-18
- 9.5. Audible warning device(s)



Information document: 2002 /24-HRTK122-00

Application date: June 2, 2009

- 9.5.1. Summary description of device(s) used and their purpose : Electro magnetic actuated diaphragm
- 9.5.2. Make(s) : CHANGJIE
- 9.5.3. Type(s) : CHANGJIE DL-60
- 9.5.4. Type-approval mark : e9\*93/30\*93/30\*1026\*00
- 9.5.5. Drawing(s) showing the location of the audible warning device(s) in relation to the structure of the vehicle : Refer to drawing No. HRTK122-19
- 9.5.6. Details of the method of attachment, including the part of the vehicle structure to which the audible warning device(s) is (are) attached : Refer to drawing No. HRTK122-19
- 9.6. Location of rear registration plate (indicate variants where necessary; drawings may be used as appropriate) : Refer to drawing No. HRTK122-20
- 9.6.1. Inclination of plane in relation to the vertical : 25ofacing upward



**B. INFORMATION RELATING SOLELY TO TWO-WHEEL MOPEDS AND MOTORCYCLES**

**1. Equipment**

- 1.1. Rear-view mirror(s) (please provide the following information for each rear-view mirror)
- 1.1.1. Make : QY 149
- 1.1.2. Component type-approval mark : L E7 81R-000507
- 1.1.3. Variant : n.a.
- 1.1.4. Drawing(s) showing the location of the rear-view mirror(s) in relation to the structure of the vehicle : Refer to drawing No. HRTK122-21
- 1.1.5. Precise information concerning the type of attachment, including that part of the vehicle structure to which the rear-view mirror is attached : Refer to drawing No. HRTK122-22
- 1.2. Stand
- 1.2.1. Type (central and/or side) : central and/or side <sup>(1)</sup>
- 1.2.2. Drawing showing the location of the stand(s) in relation to the structure of the vehicle : Refer to drawing No. HRTK122-23
- 1.3. Attachments for motorcycle sidecars (where applicable)
- 1.3.1. Photographs and/or drawings showing the location and the construction : n.a.
- 1.4. Hand-hold for a passenger
- 1.4.1. Type (strap and/or handle) : strap and/or handle<sup>(1)</sup>
- 1.4.2. Photographs and/or drawings showing the location : Refer to drawing No. HRTK122-24
- 1.5. For mopeds fitted with pedals and, if Directive 97/24/EC, Chapter 3, Annex I, point 3.5 applies, description of the measures taken in order to ensure safety : n.a.
- 1.6. Design and position of the label referred to in Directive 97/24/EC, Chapter 7 : Refer to drawing No. HRTK122-25



**EC CERTIFICATE OF CONFORMITY**

The undersigned:

Mr. Fu Liping

Hereby certifies that the following vehicle:

- 0.1. Make: GOLDENKEY
- 0.2. Type: GK122
  - Variant: Variant 1:Lithium battery
  - Version: n.a.
- 0.2. Commercial name(s) (where appropriate): GK122  
1
- 0.4. Vehicle category: L3e
- 0.4. Vehicle category according to Directive 1 97/24/EC,Chapter 7 (if applicable): B
- 0.5. Name and address of the manufacturer: GOLDENKEY ELECTRIC VEHICLE CO., LTD.  
Changle Industrial Zone, Yongkang, Zhejiang Province,  
P.R. China  
R, X:1100, Y:200,Z:280
- 0.6. Location of the statutory plate: LXDT1ZW0□97000001  
Vehicle identification number: C, X:300, Y:5, Z:450
- 0.7. Location of the vehicle identification number on the chassis:

Conforms in all respects to the type described in EC type-approval

— EC type-approval number: e11\*2002/24\*XXXX\*00

—dated: MMMM DD, YYYY

The vehicle can be permanently registered without requiring any further approvals, for driving on the right/left and for using metric/imperial units for the speedometer.

Shanghai Province,  
P.R.China  
(place)

MMMM DD, YYYY

(date)

*Fu Liping*  
(signature)

Director  
(position)



**Additional information**

1. Number of axles: 2 and wheels: 2
3. Wheel base: 1440 mm
- 6.1 Length: 1980 mm
- 7.1 Width: 670 mm
8. Height: 1190 mm
- 12.1. Mass of the vehicle (with bodywork) in running order: 132 kg
- 12.2. Unladen mass of the vehicle: 132 kg
- 14.1. Technically permissible maximum laden mass: 282 kg
- 14.2. Distribution of this mass among the axles:
1. 110 kg 2. 172 kg
- 14.3. Technically permissible mass on each axle:
1. 110 kg 2. 172 kg
17. Maximum mass of trailer:  
(braked): --- kg (unbraked):---
- 19.1. Maximum vertical load at the coupling point for a trailer: --- Kg
20. Engine manufacturer: Luqiao Aluminium Co., Ltd.
21. Engine type as marked on the engine: 60V50080
- 21.2. Engine number: 60V500800904280006
22. Working principle: Electric
23. Number and arrangement of cylinders: ---
24. Cylinder capacity: --- cm<sup>3</sup>
25. Fuel: ---
26. Maximum net power or maximum continuous rated power as applicable:  
5 KW at -- min<sup>-1</sup>
- 26.1. Ratio: maximum net power or maximum continuous rated power/mass of the vehicle in running order: 0.038 (KW/kg)
28. Gearbox (type): --
29. Gear ratios:
32. Tyresize designation:  
Axle 1: 130/60-13 Axle 2: 130/60-13
37. Body: yes/no
41. Number and configuration of doors : not applicable
- 42.1. Number and position of seats: 2 r1:1C r2:1C
- 43.1. Approval mark of coupling device, if fitted: not applicable
44. Maximum speed: 80 km/h
45. Sound level : 97/24/EC chapter 9 , with amending of 2006/27/EC  
Stationary: --- dB(A) at engine speed: --- min<sup>-1</sup>  
Drive-by: --- dB(A)
46. Exhaust emissions: 97/24/EC chapter 5, with amending of 2006/120/EC  
Type I test: CO : --- g/km HC: --- g/km  
NO<sub>x</sub>: --- g/km HC+ NO<sub>x</sub> : --- g/km  
Type II test: for mopeds: CO : -- g/min HC: --- g/min  
for motorcycles and tricycles: CO : --- % vol
- Visible air pollution caused by an engine with compression ignition: ---  
— corrected value of absorption coefficient : --- m<sup>-1</sup>
47. Fiscal power or national code number (s) :
- |                     |            |                 |           |
|---------------------|------------|-----------------|-----------|
| Belgium :           | Bulgaria   | Czech Republic: | Denmark   |
| Germany:            | Estonia:   | Greece:         | Spain:    |
| France:             | Ireland:   | Italy:          | Cyprus:   |
| Latvia:             | Lithuania: | Luxembourg:     | Hungary:  |
| Malta: Netherlands: |            | Austria:        | Poland:   |
| Portugal:           | Romania:   | Slovenia:       | Slovakia: |
| Finland: Sweden:    |            | United kingdom: |           |
50. Remarks : ---
51. Exemptions : ---



**EC CERTIFICATE OF CONFORMITY**

The undersigned:

Mr. Fu Liping

Hereby certifies that the following vehicle:

- 0.1. Make: GOLDENKEY
- 0.2. Type: GK122
  - Variant: Variant 2:Silicon battery
  - Version: n.a.
- 0.2. Commercial name(s) (where appropriate): GK122  
1
- 0.4. Vehicle category: L3e
- 0.4. Vehicle category according to Directive 1 97/24/EC,Chapter 7 (if applicable): B
- 0.5. Name and address of the manufacturer: GOLDENKEY ELECTRIC VEHICLE CO., LTD.  
Changle Industrial Zone, Yongkang City,  
Zhejiang Province,P.R. China  
R, X:1100, Y:200,Z:280
- 0.6. Location of the statutory plate: LXDTXZW0□97000001  
Vehicle identification number: C, X:300, Y:5, Z:450
- 0.7. Location of the vehicle identification number on the chassis:

Conforms in all respects to the type described in EC type-approval

— EC type-approval number: e11\*2002/24\*XXXX\*00

—dated: MMMM DD, YYYY

The vehicle can be permanently registered without requiring any further approvals, for driving on the right/left and for using metric/imperial units for the speedometer.

Shanghai Province,  
P.R.China  
(place)

MMMM DD, YYYY

(date)

\_\_\_\_\_  
  
\_\_\_\_\_  
(signature)

\_\_\_\_\_  
Director  
(position)  
\_\_\_\_\_



**Additional information**

1. Number of axles: 2 and wheels: 2
3. Wheel base: 1440 mm
- 6.1 Length: 1980 mm
- 7.1 Width: 670 mm
8. Height: 1190 mm
- 12.1. Mass of the vehicle (with bodywork) in running order: 172 kg
- 12.2. Unladen mass of the vehicle: 172 kg
- 14.1. Technically permissible maximum laden mass: 322 kg
- 14.2 Distribution of this mass among the axles:
1. 128 kg 2. 194 kg
- 14.3. Technically permissible mass on each axle:
1. 128 kg 2. 194 kg
17. Maximum mass of trailer:
- (braked): --- kg (unbraked):---
- 19.1. Maximum vertical load at the coupling point for a trailer: --- Kg
20. Engine manufacturer: GOLDENKEY MOTOR Co., Ltd.
21. Engine type as marked on the engine: 60V50080
- 21.2. Engine number: 60V500800904280006
22. Working principle: Electric
23. Number and arrangement of cylinders: ---
24. Cylinder capacity: --- cm<sup>3</sup>
25. Fuel: ---
26. Maximum net power or maximum continuous rated power as applicable:
- 5 KW at --- min<sup>-1</sup>
- 26.1. Ratio: maximum net power or maximum continuous rated power/mass of the vehicle in running order: 0.029 (KW/kg)
28. Gearbox (type): --
29. Gear ratios:
32. Tyresize designation:
- Axle 1: 130/60-13 Axle 2: 130/60-13
37. Body: yes/no
41. Number and configuration of doors : not applicable
- 42.1. Number and position of seats: 2 r1:1C r2:1C
- 43.1. Approval mark of coupling device, if fitted: not applicable
44. Maximum speed: 80 km/h
45. Sound level : 97/24/EC chapter 9 , with amending of 2006/27/EC
- Stationary: --- dB(A) at engine speed: --- min<sup>-1</sup>
- Drive-by: --- dB(A)
46. Exhaust emissions: 97/24/EC chapter 5, with amending of 2006/120/EC
- Type I test: CO : --- g/km HC: --- g/km
- NO<sub>x</sub>: --- g/km HC+ NO<sub>x</sub> : --- g/km
- Type II test: for mopeds: CO : -- g/min HC: --- g/min
- for motorcycles and tricycles: CO : --- % vol
- Visible air pollution caused by an engine with compression ignition: ---
- corrected value of absorption coefficient : --- m<sup>-1</sup>
47. Fiscal power or national code number (s) :
- |                     |            |                 |           |
|---------------------|------------|-----------------|-----------|
| Belgium :           | Bulgaria   | Czech Republic: | Denmark   |
| Germany:            | Estonia:   | Greece:         | Spain:    |
| France:             | Ireland:   | Italy:          | Cyprus:   |
| Latvia:             | Lithuania: | Luxembourg:     | Hungary:  |
| Malta: Netherlands: |            | Austria:        | Poland:   |
| Portugal:           | Romania:   | Slovenia:       | Slovakia: |
| Finland: Sweden:    |            | United kingdom: |           |
50. Remarks : ---
51. Exemptions : ---

