



BUREAU OF CUSTOMS

MAKABAGONG ADUANA, MATATAG NA EKONOMIYA



PROFESSIONALISM

INTEGRITY

ACCOUNTABILITY

14 August 2023

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CUSTOMS MEMORANDUM CIRCULAR
NO. 138-2023

TO : ALL DISTRICT COLLECTORS
ALL CHIEFS, EXPORT DIVISIONS OR EQUIVALENT OFFICES
ALL OTHERS CONCERNED

SUBJECT : DEPARTMENT CIRCULAR (DC) NO. DC2023-05-0012 –
ELECTRIC VEHICLE (EV) RECOGNITION GUIDELINES

This has reference to the letter from Mr. Felix William B. Fuentebella, Office of the Undersecretary, Department of Energy (DOE) dated 25 May 2023 addressed to Atty. Teddy S. Raval, Deputy Commissioner, Enforcement Group, Bureau of Customs with the subject: *Department Circular (DC) No. DC2023-05-0012 – Electric Vehicle (EV) Recognition Guidelines.*

As stated in the letter, in reference to Section 5 of the Implementing Rules and Regulations of the Electric Vehicle Industry Development Act (EVIDA-IRR), the DOE has issued *DC No. DC2023-05-0012* or the *EV Recognition Guidelines* to properly classify EVs based on the EVIDA.

In addition, Section 9 of the said DC No. DC2023-05-0012 states that all concerned national government agencies and local government units shall adopt the classification of EVs. Hence, the DOE encourages to harmonize existing policies/ guidelines/ regulations related to EV with the definition and requirements provided in the DC.

Herein attached is the copy of the DC No. DC-2023-05-0012 and the list of recognized EVs that may be eligible for EVIDA incentives. Note that the attached EV list will be updated with the notification of all vehicle manufacturers, assemblers, importers, and rebuilders for the classification and recognition of their EV/s for sale in the market.

For information and guidance.

For records purposes, confirm the dissemination of this circular throughout your offices within fifteen (15) days from receipt hereof.

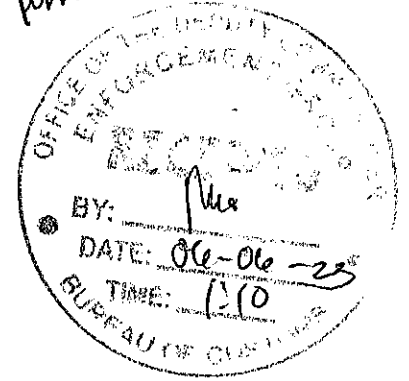
BIENVENIDO Y. RUBIO
Commissioner



AUG 17 2023



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25 May 2023

ATTY. TEDDY SANDY S. RAVAL
Deputy Commissioner – Enforcement Group
Bureau of Customs (BOC)
G/F OCOM Building, 16th Street
South Harbor, Port Area, Manila
Email: teddysandy.raval@customs.gov.ph

Subject: Department Circular No. DC2023-05-0012 – Electric Vehicle (EV) Recognition Guidelines

Dear Atty. Raval:

Warmest Greetings from the Energy Family!

In reference to Section 5 of the Implementing Rules and Regulation of the Electric Vehicle Industry Development Act (EVIDA-IRR), to properly classify electric vehicles (EVs) based on the EVIDA, the Department of Energy has issued the Department Circular (DC) No. DC2023-05-0012 or the EV Recognition Guidelines.

In addition, Section 9 of the said DC provides that all concerned national government agencies (NGAs), and local governments units (LGUs) are to adopt the classification of EVs. Hence, we encourage your office to harmonize existing policies/guidelines/regulations related to EV with the definitions and requirements provided in the DC. We have attached a copy of the DC2023-05-0012 for your reference.

Moreover, we have attached a list of recognized EVs that may be eligible for EVIDA incentives for your reference. Please note that the attached EV list will be updated with the notification of all vehicle manufacturers, assemblers, importers, and rebuilders for the classification and recognition of their EV/s for sale in the market.

For further clarifications and inquiries, your staff may contact Dir. Patrick T. Aquino, CESO III of the Energy Utilization Management Bureau (EUMB) through phone number (02) 8479-2900 loc. 406 or email at doe.eumb@gmail.com/ doe.EVoffice@gmail.com.

Thank you and we look forward to a harmonized adoption of EVs and implementation of the EVIDA.

Very truly yours,

FELIX WILLIAM B. FUENTEBELLA
DOE, Office of the Undersecretary



CCC-23-057129

REPUBLIC OF THE PHILIPPINES
CUSTOMER CARE CENTER

JUN 06 2023

Harem M. Uano

Client Service Officer
ISO 9001:2015 Certified

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Republic of the Philippines

DEPARTMENT OF ENERGY

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DEPARTMENT CIRCULAR NO. DC 2023-05-0012 *Qw*

GUIDELINES ON THE ELECTRIC VEHICLE (EV) RECOGNITION AND ADOPTION OF EV STANDARD CLASSIFICATION ON ROAD TRANSPORT FOR INCENTIVE ELIGIBILITY PURSUANT TO THE ELECTRIC VEHICLE INDUSTRY DEVELOPMENT ACT

WHEREAS, Republic Act (RA) No. 7638 or the Department of Energy (DOE) Act of 1992 declares as a policy of the State, among others, to ensure a continuous, adequate, and economic supply of energy with the end in view of ultimately achieving self-reliance in the country's energy requirements through the integrated and intensive exploration, production, management, and development of the country's indigenous energy sources;

WHEREAS, Sections 5 (e) and (h) of RA 7638 authorizes the DOE to regulate private sector activities as provided under existing laws, providing therein an environment conducive to free and active private sector participation and investment in all energy activities, as well as to formulate and implement a program for the accelerated development of non-conventional energy systems and the promotion and commercialization on its applications;

WHEREAS, RA 11285 or the Energy Efficiency and Conservation (EEC) Act declares the policy direction of the government in terms of energy efficiency, conservation, sufficiency and sustainability in the country;

WHEREAS, RA 11697 or the Electric Vehicle Industry Development Act (EVIDA) declares that it is the policy of the State, among others, to ensure the country's energy security and independence by reducing reliance on imported fuel for the transportation sector; and provide an enabling environment for the development of electric vehicles (EVs) including options for micromobility as an attractive and feasible mode of transportation to reduce dependence on fossil fuels;

WHEREAS, Section 6(a) of the EVIDA, provides for the Comprehensive Roadmap for the Electric Vehicle Industry (CREVI) – a national development plan for the EV industry with an annual work plan to accelerate the development, commercialization, and utilization of EVs in the country, comprising the EVs and charging stations as one component, which includes the development of standards and specifications of EVs and charging stations, among others;

WHEREAS, Section 7(c) of the EVIDA, provides that the DOE shall be the primary agency tasked with the promotion of the adoption of EVs and the development of charging stations and related equipment. Towards this end, the DOE shall develop and update the EV and charging stations component of the CREVI in coordination with the Department of Transportation (DOTr), and in consultation with the local government units (LGUs) and other relevant national government agencies (NGAs).

WHEREAS, under Section 5 of the Implementing Rules and Regulations of the EVIDA (EVIDA-IRR), the DOE may recognize other types of EVs in considering future advances and innovations in technologies provided that it has at least one (1) electric drive for propulsion;

WHEREAS, Section 20 of the EVIDA-IRR, authorizes the DOE in consultation with the EVIDA-Technical Working Group (TWG) member agencies to issue guidelines for the effective implementation of the mandatory five percent (5%) EV share in Corporate and Government fleets, whether owned or leased within the timeframe indicated in the CREVI;

WHEREAS, considering that the EV sector is still in its early stages of development, and as we owe the public correct information, there is a need to determine EVs that may be eligible for EVIDA incentives as well as harmonize the classification of EVs in determining the types of EVs given the rapid changes in the industry;

WHEREAS, consistent with Rule III, Section 9 of the EVIDA-IRR, the following guidelines are being issued in coordination with the relevant government agencies, and after public consultation with the stakeholders conducted on 20-22 March 2023 and 20 April 2023 in the National Capital Region, Luzon, Visayas and Mindanao;

NOW, THEREFORE, in consideration of all the foregoing, the DOE hereby issues, adopts and promulgates the following:

Section 1. Title. This Department Circular (DC) shall be known as the "EV Recognition Guidelines".

Section 2. Scope and Application. This DC shall apply to all road transport vehicle manufacturers, assemblers, importers, and rebuilders (MARs) for the classification and recognition of road transport EVs with the purpose to harmonize the types of EVs and provides easy identification of EVs among the NGAs and EV Industry.

The DOE shall issue a separate issuance for EVs concerning air and water vehicles, and other types of land vehicles (e.g. heavy equipment, etc.).

Section 3. Definition of Terms. In addition to the terms defined under Section 4(k), and Sections 4(l) and 5 of the EVIDA, and EVIDA-IRR, respectively, the following terms used in this DC shall apply:

- 3.1 **Electric Vehicle (EV)** refers to a vehicle with at least one (1) electric drive for vehicle propulsion;
- 3.2 **EUMB** refers to Energy Utilization Management Bureau of the DOE;
- 3.3 **EVIDA Incentives** refer to the fiscal and non-fiscal incentives granted under Chapter IV and Rule VII of the EVIDA, and EVIDA-IRR, respectively;
- 3.4 **Importer** refers to any individual, partnership, corporation, or other entity, incorporated, organized, and existing under Philippine laws, engaged in the importation of completely built units of EVs, EV charging stations (EVCS) and related equipment, parts and components, and batteries;
- 3.5 **Manufacturer or Assembler** refers to any individual, partnership, corporation, or other entity incorporated, organized, and existing under Philippine laws, engaged in the manufacture and assembly of EVs, EVCS and related equipment, parts and components, and batteries;
- 3.6 **Platform** refers to the online platform system where the recognized EVs are listed and updated;
- 3.7 **Recognized EV** refers to those EVs and conversion kits which are described, advertised, or promoted by road transport vehicle MARs and has undergone process, determined by the DOE and is listed in DOE website, and therefore may qualify for the EVIDA incentives;

- 3.8 **Road Transport Vehicle** refers to land vehicle conveying cargo or passengers, regardless of size or weight classification designed to operate on a road; and
- 3.9 **Unrecognized EV** refers to those EVs which are described, advertised, or promoted by road transport vehicle MARs and is intended for sale in the Philippine market, and is/are ineligible to avail the EVIDA Incentives.

Section 4. Adoption of EV Classification. To provide a harmonized adoption of EVs in line with the targets under the CREVI, the DOE shall give recognition to EVs as defined under the EVIDA and EVIDA-IRR, which shall be classified, determined, and is hereby adopted as follows:

- 4.1 **Battery EVs (BEVs)** are those EVs with an electrically propelled vehicle with only a traction battery as power source for vehicle propulsion. For the purpose of this DC, pure electric vehicle (PEV) shall also be defined as BEV;
- 4.2 **Hybrid-EVs (HEVs)** are those EVs with both a rechargeable energy storage system and a fueled power source for propulsion;
- 4.3 **Light EVs (LEVs)** are those EVs used in micromobility that provide alternative modes of transportation which include electric scooters, electric bicycles, electric personal transport, and other similar vehicles weighing less than fifty kilograms (50 kg); and
- 4.4 **Plug-in hybrid-EVs (PHEVs)** are those HEVs with rechargeable energy storage system that can be charged from an external electric energy source.

In recognition of the advances and innovation of technologies, EVs may be further classified and determined by DOE upon the notice of road transport vehicle MARs: *Provided, That* the vehicle has at least one (1) electric drive used for propulsion.

Section 5. Road Transport Vehicle Classifications. For purposes of this Circular, the classification of transport vehicles shall be in accordance with Annex A - Road Motor Vehicle Classification which adopts the Department of Transportation's (DOTr) road vehicle classification defined under the Philippine National Standards (PNS) 1891 – Road Vehicles – Classification and Definition.

Section 6. EV Recognition Documentary Requirements. All road transport vehicle MARs shall notify the EUMB of all claimed EVs and shall submit the following documentary requirements:

- 6.1 Notice to DOE through EUMB (*Annex A*); and
- 6.2 Duly accomplished Specification Form (*Annex B*).

Section 7. Processing of EV Recognition Application. The procedure for EV recognition shall be as follows:

- 7.1 All road transport vehicle MARs who intend to apply for EV recognition shall send an application to the EUMB for every EV claimed for sale in the market. The complete applications shall conform with Section 6 of this DC. All applicants shall submit application documents through EUMB's official email address. EUMB will develop platform to facilitate ease of application which will

be announced to all road transport vehicle MARs in place of the email submissions.

- 7.2 Within twenty (20) working days, the EUMB shall process the application and upon determination, recognized EVs shall be included in the official EV listing/database: *Provided, That* incomplete applications or applications not conforming to Section 7.1 will be returned.
- 7.3 The official EV listing/database will serve as the basis for the grant of incentives provided in the EVIDA and its pertinent rules and regulations.
- 7.4 Recognized EVs will be made available to the public by the DOE through its website and subject to regular update.
- 7.5 Recognized EVs that are not marketed for a period of ninety (90) calendar days will be removed from the list by road transport vehicle MARs through the platform.
- 7.6 For duplicate submissions, the EUMB will process only the first submission within six (6) months for a particular EV type and its variants.
- 7.7 For revisions regarding data and/or information from submissions, the road transport vehicle MARs shall file a request through the platform or official email address. These shall be acted upon by the EUMB within seven (7) working days. *Provided, That* revisions of data and/or information shall not include the following:
 - a. EV Classification;
 - b. Model Number/Code;
 - c. Type of Transmission;
 - d. Body type;
 - e. Electric motor rating;
 - f. Traction battery energy; and
 - g. Charger connector.

Request/s for the revisions of the abovementioned data and/or information shall be accepted as a new EV Recognition application.

Section 8. Recognized EV List. Pursuant to Section 11(m) of the EVIDA-IRR, the DOE through EUMB, after consolidation and data centralization from concerned NGAs and LGUs, shall update the list of recognized EV and shall be made available to them and to the public for reference and easy access.

Section 9. EV Classification Harmonization. For harmonized regulations related to the EV Industry, all concerned NGAs, and LGUs shall adopt the classification of EVs provided in Section 4 of this DC. Moreover, all unlisted vehicles shall be deemed as unrecognized EVs.

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Section 10. Review Clause. In light of the dynamic nature of the industry, the DOE shall periodically review, update and issue the necessary rules relative to the CREVI every two (2) years from the date of issuance, or earlier as the need arises.

Section 11. Separability Clause. If for any reason, any section or provision of this DC is declared unconstitutional or invalid, the other parts or provision hereof which are not affected hereby shall continue to be in full force and effect.

Section 12. Repealing Clause. The provisions of other circulars, orders, issuances, rules, and regulations, which are inconsistent with the provisions of this DC are hereby repealed, amended, modified, or superseded accordingly.

Section 13. Effectivity. This DC shall take effect immediately within fifteen (15) days after its complete publication in at least two (2) national newspapers of general circulation. A copy of this DC shall be filed with the University of the Philippines Law Center - Office of the National Administrative Register.

Issued on ___ May 2023 at the DOE, Energy Center, Rizal Drive cor. 34th Street, Bonifacio Global City, Taguig City.


RAPHAEL P.M. LOTILLA,
Secretary



MAY 12 2023



Energy Utilization Management Bureau
Quality Management System

NOTICE OF APPLICATION
FOR RECOGNITION
(ANNEX A)

Doc Ref No.:	EUMB-DEVO-QF-012
Effective Date:	xx-xxxx-xx
Revision No.:	0
Page No.:	1 of 1

(Company logo)

DEPARTMENT OF ENERGY
Energy Center, Rizal Drive,
Bonifacio Global City, Taguig City,
Philippines 1632

Attention: DIRECTOR
Energy Utilization Management Bureau (EUMB)
Department of Energy
Tel. No: (02) 8840-2289
Email: doe.eumb@gmail.com

Dear Sir/Madam:

The <Name of entity/company/organization>, located at <Address>, would like to notify and request to the Department of Energy (DOE) the recognition of our vehicle/s for sale as electric vehicle:


Vehicle Model	Electric Vehicle (EV) Type (i.e., HEV, PHEV, BEV)
<i>Include additional rows as necessary.</i>	

Also, we have attached and duly accomplished the Electric Vehicle Specification Form (Annex B) of the Department Circular No. XXXX-XX-XXXX.

Thank you.

Very truly yours,

(Authorized Representative)
(Designation)
(Company Name)

	Energy Utilization Management Bureau Quality Management System SPECIFICATION FORM (ANNEX B)	Doc Ref No.:	EUMB-DEVO-QF-013
		Effective Date:	xx-xxxx-xx
		Revision No.:	0
		Page No.:	1 of 6

ELECTRIC VEHICLE SPECIFICATION FORM

Vehicle Classification	<i>Refer to Road Motor Vehicle Classification*</i>
Electric Vehicle (EV) Classification	<input type="checkbox"/> Hybrid Electric Vehicle (HEV) <input type="checkbox"/> Plug-in HEV (PHEV) <input type="checkbox"/> Battery Electric Vehicle (BEV) / Pure Electric Vehicle (PEV) <input type="checkbox"/> Light Electric Vehicle (LEV)
<p><i>"Insert isometric view with white background of the vehicle model" at least 2"x2" size</i></p>	
Brand Name (Make)	
Model Number/Code	
Year Model	
Name and address of manufacturer	
Unladen mass (kg)	
Vehicle size (m) (LxWxH)	
Max. power (kW)	
Max. engine power	
Max. electric power	
Max. Torque (Nm) at specified rpm	
Fuel/ Engine Type	<input type="checkbox"/> Gasoline <input type="checkbox"/> Unleaded <input type="checkbox"/> Diesel <input type="checkbox"/> Liquefied Petroleum Gas (LPG) <input type="checkbox"/> Natural Gas (NG) <input type="checkbox"/> Electric <input type="checkbox"/> Others (please specify): _____
Vehicle emission standard	<input type="checkbox"/> Euro4 <input type="checkbox"/> Euro5 <input type="checkbox"/> Euro6 <input type="checkbox"/> Others (please specify): _____
Type of transmission	<input type="checkbox"/> Manual <input type="checkbox"/> Automatic <input type="checkbox"/> Semi-automatic <input type="checkbox"/> Others (please specify): _____

Body type	<input type="checkbox"/> Motorcycle <input type="checkbox"/> Tricycle <input type="checkbox"/> Sedan (saloon) <input type="checkbox"/> Sport Utility Vehicle (SUV) <input type="checkbox"/> Utility Vehicle (UV) <input type="checkbox"/> Multi-Purpose Vehicle (MPV) <input type="checkbox"/> AA Saloon <input type="checkbox"/> AB Hatchback <input type="checkbox"/> AC Station Wagon <input type="checkbox"/> AD Coupé <input type="checkbox"/> AE Convertible <input type="checkbox"/> AF Multi-purpose vehicle <input type="checkbox"/> Pick-up truck <input type="checkbox"/> Cat. III truck <input type="checkbox"/> Cat. IV truck <input type="checkbox"/> Cat. V truck <input type="checkbox"/> Others (please identify): _____	
Number of seats		
Maximum vehicle design speed (km/h)		
Operating mode switch	<input type="checkbox"/> With	<input type="checkbox"/> Pure electric <input type="checkbox"/> Pure fuel consuming <input type="checkbox"/> Hybrid mode
	<input type="checkbox"/> Without	
Fuel consumption	Combined fuel economy (km/L):	
	Running in pure fuel (km/L):	
	Running in pure electric (km/kWh):	
Fuel tank capacity (L)		
Electric motor	<input type="checkbox"/> Synchronous <input type="checkbox"/> Asynchronous <input type="checkbox"/> Others (please identify): _____	
Electric motor rating (kW)		
Traction battery energy (kWh)		
Traction battery mass (kg)		
Battery type	<input type="checkbox"/> Lead acid <input type="checkbox"/> Lithium ion (Li-ion) <input type="checkbox"/> Lithium Sulfur (Li-S) <input type="checkbox"/> Molten Salt (NA-NiCl ₂) <input type="checkbox"/> Nickel Cadmium (Ni Cd) <input type="checkbox"/> Nickel Metal Hydride (Ni-MH) <input type="checkbox"/> Others (please specify): _____	
Battery dimension (mm)	L = W = H =	
Operating temperature range of the traction battery (°C)	____ °C to ____ °C	

CMC NO. 138-2023 p.11

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Charger connector**	<input type="checkbox"/> On board <input type="checkbox"/> External	Type: <input type="checkbox"/> Type 2 <input type="checkbox"/> CCS Combo 2 <input type="checkbox"/> CHAdeMO <input type="checkbox"/> ChaoJi <input type="checkbox"/> TESLA <input type="checkbox"/> Others (please specify): _____
	<input type="checkbox"/> AC <input type="checkbox"/> DC	
	IP-code	
Charger Voltage** (V)		
Download Full Specification:	<i>(Please provide link to download the vehicles' full specification/brochure)</i>	

**additional information for PHEV only
FILL UP APPLICABLE DETAILS



Energy Utilization Management Bureau
Quality Management System

**ELECTRIC VEHICLE SPECIFICATION
(ANNEX B)**

Doc Ref No.:	EUMB-DEVO-QF-013
Effective Date:	xx-xxxx-xx
Revision No.:	0
Page No.:	3 of 6

CONVERSION KIT SPECIFICATION FORM

Vehicle Classification	<i>Refer to Road Motor Vehicle Classification*</i>
Electric Vehicle (EV) Classification	<input type="checkbox"/> Hybrid Electric Vehicle (HEV) <input type="checkbox"/> Plug-in HEV (PHEV) <input type="checkbox"/> Battery Electric Vehicle (BEV) / Pure Electric Vehicle (PEV) <input type="checkbox"/> Light Electric Vehicle (LEV)
<p><i>"Insert isometric view with white background of the kit model" at least 2"x2" size</i></p>	
Brand Name (Make)	
Model Number/Code	
Year Model	
Name and address of manufacturer	
Unladen mass (kg)	
Kit size (m) (LxWxH)	
Max. power (kW)	
Max. engine power	
Max. electric power	
Max. Torque (Nm) at specified rpm	
Fuel	<input type="checkbox"/> Gasoline <input type="checkbox"/> Unleaded <input type="checkbox"/> Diesel <input type="checkbox"/> Liquefied Petroleum Gas (LPG) <input type="checkbox"/> Natural Gas (NG) <input type="checkbox"/> Electric <input type="checkbox"/> Others (please specify):
Vehicle emission standard	<input type="checkbox"/> Euro4 <input type="checkbox"/> Euro5 <input type="checkbox"/> Euro6 <input type="checkbox"/> Not applicable <input type="checkbox"/> Others (please specify):
Type of transmission	<input type="checkbox"/> Manual <input type="checkbox"/> Automatic <input type="checkbox"/> Semi-automatic <input type="checkbox"/> Others (please specify):
Appropriate Body type (include model, year, or brand if applicable)	<input type="checkbox"/> Motorcycle <input type="checkbox"/> Tricycle <input type="checkbox"/> Sedan (saloon) <input type="checkbox"/> Sport Utility Vehicle (SUV)

	<input type="checkbox"/> Utility Vehicle (UV) <input type="checkbox"/> Multi-Purpose Vehicle (MPV) <input type="checkbox"/> AA Saloon <input type="checkbox"/> AB Hatchback <input type="checkbox"/> AC Station Wagon <input type="checkbox"/> AD Coupé <input type="checkbox"/> AE Convertible <input type="checkbox"/> AF Multi-purpose vehicle <input type="checkbox"/> Pick-up truck <input type="checkbox"/> Cat. III truck <input type="checkbox"/> Cat. IV truck <input type="checkbox"/> Cat. V truck <input type="checkbox"/> Others (please identify):	
Traction battery energy (kWh)		
Traction battery mass (kg)		
Battery type	<input type="checkbox"/> Lead acid <input type="checkbox"/> Lithium ion (Li-ion) <input type="checkbox"/> Lithium Sulfur (Li-S) <input type="checkbox"/> Molten Salt (NA-NiCl ₂) <input type="checkbox"/> Nickel Cadmium (Ni Cd) <input type="checkbox"/> Nickel Metal Hydride (Ni-MH) <input type="checkbox"/> Others (please specify):	
Battery dimension (mm)	L = W = H =	
Operating temperature range of the traction battery (°C)	____°C to ____°C	
Electric motor	<input type="checkbox"/> Synchronous <input type="checkbox"/> Asynchronous <input type="checkbox"/> Others (please identify):	
Electric motor rating (kW)		
Uphill slope gradeability (% slope)		
International protection (IP)-code		
Charger connector	<input type="checkbox"/> On board <input type="checkbox"/> External	Type: <input type="checkbox"/> Type 2 <input type="checkbox"/> CCS Combo 2 <input type="checkbox"/> CHAdeMO <input type="checkbox"/> ChaoJi <input type="checkbox"/> TESLA <input type="checkbox"/> Others (please specify):
	<input type="checkbox"/> AC <input type="checkbox"/> DC	
	IP-code	
Charger Voltage (V)		
Download Full Specification:	<i>(Please provide link to download the full specification/brochure)</i>	


* Road Motor Vehicle Classification

Classification	Description	Other description ¹²
L	road motor vehicles with less than four wheels and including 4 wheeled vehicles with restrictions on maximum speed, maximum mass and maximum rated power	
L1	a two-wheeled vehicle with a maximum design speed not exceeding 50 km/h	mopeds, light electric vehicle (LEV)
L2	a three-wheeled vehicle with a maximum design speed not exceeding 50 km/h	mopeds, LEV
L3	a two-wheeled vehicle with a maximum design speed exceeding 50 km/h	motorcycle without sidecar, LEV
L4	a vehicle with three wheels asymmetrically arranged in relation to the longitudinal median plane with a maximum design speed exceeding 50 km/h (motorcycle with sidecar)	motorcycle with sidecar, LEV
L5	a vehicle with three wheels symmetrically arranged in relation to the longitudinal median plane with a maximum design speed exceeding 50 km/h	three-wheeled vehicle
L6	a vehicle with four wheels whose unladen mass is not more than 350 kg, not including the mass of the batteries in case of electric vehicles, whose maximum design speed is not more than 45 km/h	
L7	a vehicle with four wheels, other than that classified for the category L6, whose unladen mass is not more than 400 kg (550 kg for vehicle intended for carrying goods), not including the mass of batteries in the case of electric vehicles, whose maximum design speed is not more than 45 km/h	
M	road motor vehicles having at least four wheels and used for the carriage of passengers	
M1	vehicles used for the carriage of passengers and comprising not more than eight (8) seats in addition to the driver's seat, and having a gross vehicle weight not exceeding 5000 kg	passenger car, utility vehicle (UV), sports utility vehicle (SUV), low speed vehicle (LSV), high speed vehicle (HSV), taxi, filcab, tourist car, tourist metered taxi, school transport
M2	vehicles used for the carriage of passengers, comprising more than eight (8) seats in addition to the driver's seat, and having a gross vehicle weight not exceeding 5000 kg	LSV, HSV, UV, filcab, public utility jeepney (PUJ), minibus, tourist transport service, GT Express service, shuttle service, school transport service
M3	vehicles used for the carriage of passengers, comprising more than 8 seat in addition to the driver's seat and having a maximum gross vehicle weight exceeding 5000 kg	bus, LSV, HSV, UV, PUJ, minibus, public utility bus (PUB) shuttle service, tourist bus, school transport service
N	road motor vehicles having at least four wheels and used for the carriage of goods	

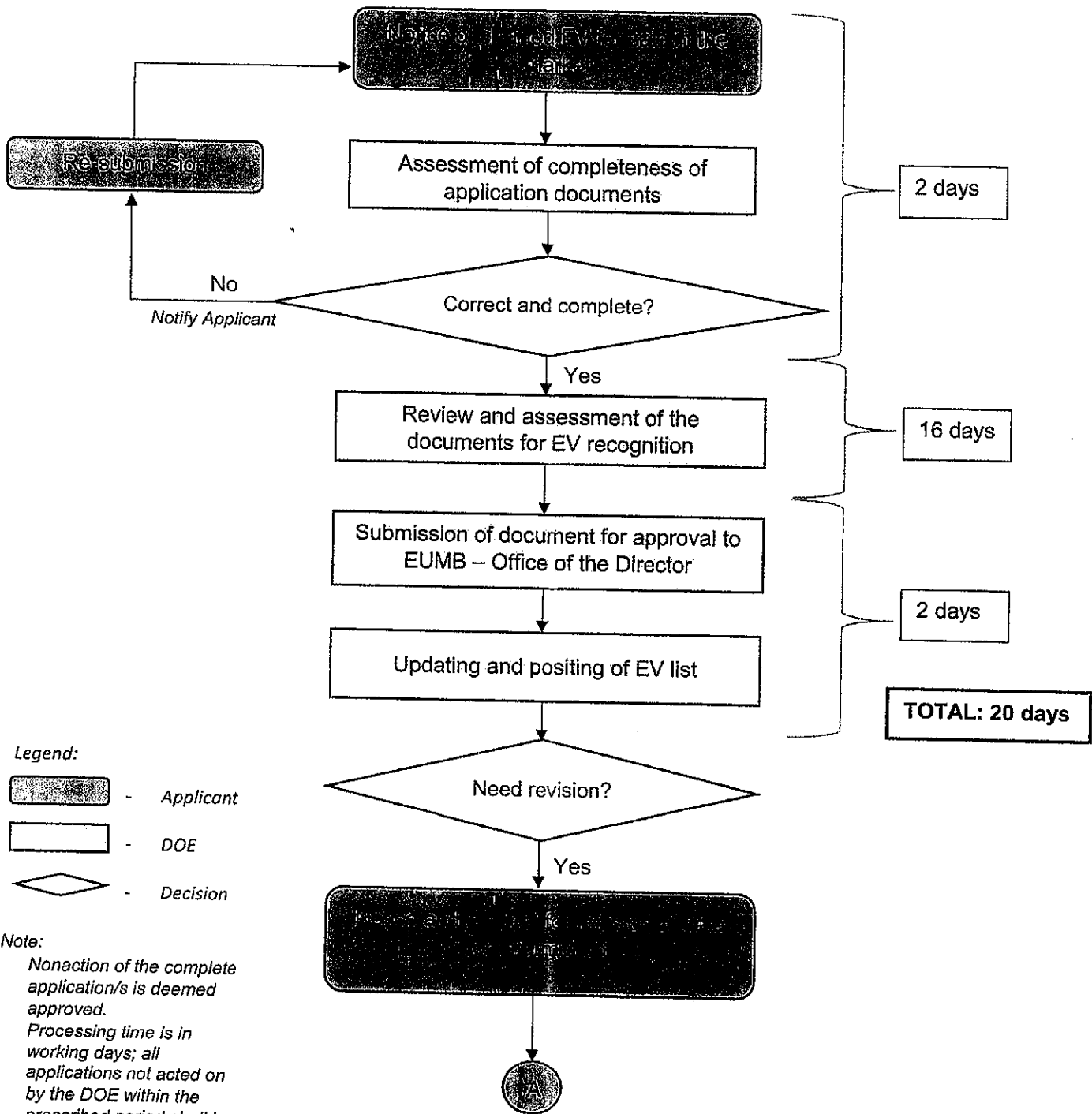
¹ Department of Transportation (DOTr) Department Order 2010-32

² DOTr Guidelines and Procedures Governing the Issuance of Student-Driver's Permit, Conductor's License and Driver's License

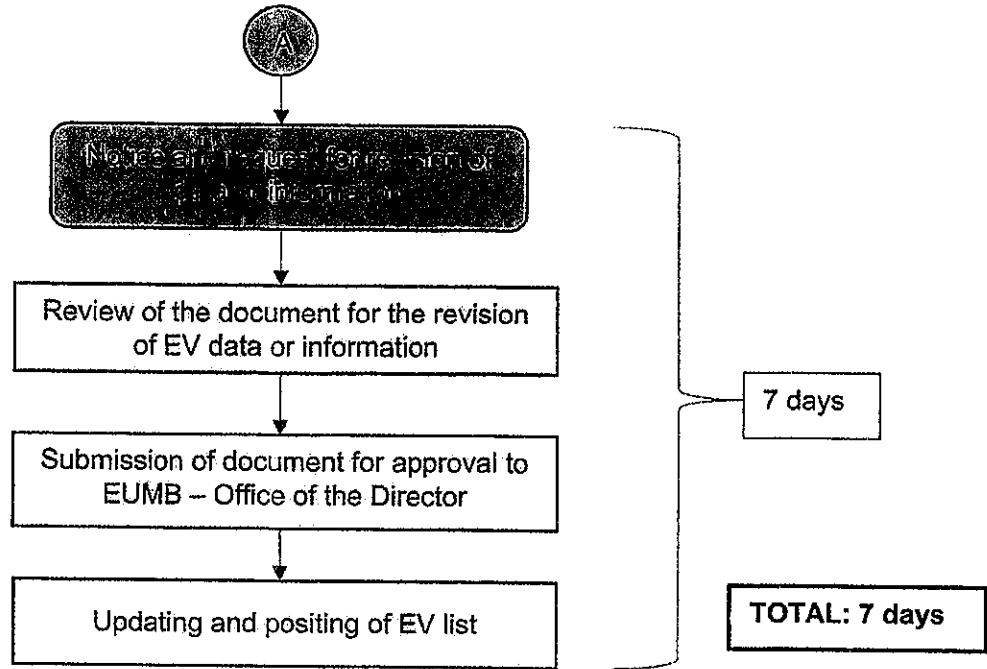
Classification	Description	Other description ¹²
N1	vehicles used for the carriage of goods and having a maximum gross vehicle weight not exceeding 3500 kg	UV, truck for hire
N2	vehicles used for the carriage of goods and having a maximum gross vehicle weight exceeding 3500 kg but not exceeding 12000 kg	UV, trucks, truck for hire
N3	vehicles used for the carriage of goods and having a maximum gross vehicle weight exceeding 12000 kg	trucks, truck for hire
O	trailers and semi-trailers	
O1	trailers and semi-trailers with a maximum gross vehicle weight not exceeding 750 kg	trailers
O2	Trailers and semi-trailers with a maximum gross vehicle weight exceeding 750 kg but not exceeding 3500 kg	trailers
O3	Trailers with a maximum gross vehicle weight exceeding 3500 kg but not exceeding 10000 kg	trailers
O4	Trailers with a maximum gross vehicle weight exceeding 10000 kg	trailers

	<p>Energy Utilization Management Bureau Quality Management System</p> <p>PROCEDURE FOR THE ELECTRIC VEHICLE CHARACTERIZATION (ANNEX C)</p>	Doc Ref No.:	EUMB-DEVO-OP-004
		Effective Date:	xx-xxxx-xx
		Revision No.:	0
		Page No.:	1 of 2

FLOW CHART PROCEDURE FOR THE ELECTRIC VEHICLE CHARACTERIZATION



FLOW CHART PROCEDURE FOR THE REVISION OF DATA AND/OR INFORMATION OF ELECTRIC VEHICLE CHARACTERIZATION



Legend:

- Applicant
- DOE
- Decision

Note:

- Nonaction of the complete application/s is deemed approved.
- Processing time is in working days; all applications not acted on by the DOE within the prescribed period shall be deemed approved.



Republic of the Philippines
DEPARTMENT OF ENERGY
Energy Utilization Management Bureau



LIST OF RECOGNIZED ELECTRIC VEHICLES

Light Electric Vehicle (LEV)

(As of May 2023)

	Vehicle Classification:	Class L1
	Electric Vehicle (EV) Classification:	LEV
	Brand name:	NWOW
	Model Number/Code:	TK10 (Turtle King10)
	Year Model:	-
	Vehicle size (m):	1.730 x 0.720 x 1.230
	Gross vehicle weight (kg):	-
	Max. power (kW):	0.8
	Battery Capacity (kWh):	1.2
	Charging connector:	-
	Download Full Specification:	Click here.

	Vehicle Classification:	Class L1
	Electric Vehicle (EV) Classification:	LEV
	Brand name:	NWOW
	Model Number/Code:	ARS
	Year Model:	-
	Vehicle size (m):	1.680 x 0.615 x 1.230
	Gross vehicle weight (kg):	-
	Max. power (kW):	0.45
	Battery Capacity (kWh):	0.96
	Charging connector:	-
	Download Full Specification:	Click here.


	Vehicle Classification:	Class L1
	Electric Vehicle (EV) Classification:	LEV
	Brand name:	NWOW
	Model Number/Code:	GB2
	Year Model:	-
	Vehicle size (m):	1.750 x 0.740 x 1.230
	Gross vehicle weight (kg):	-
	Max. power (kW):	0.40
	Battery Capacity (kWh):	0.576
	Charging connector:	-
	Download Full Specification:	Click here.

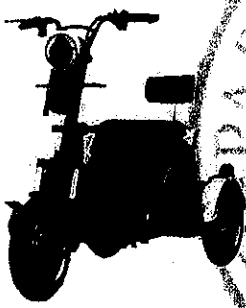


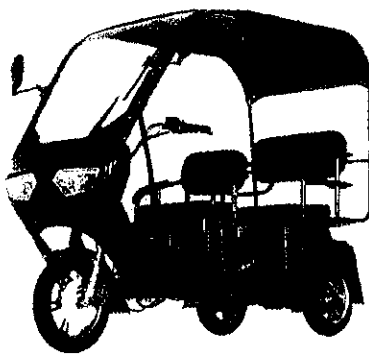


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	Vehicle Classification:	Class L1
	Electric Vehicle (EV) Classification:	LEV
	Brand name:	NWOW
	Model Number/Code:	GC10
	Year Model:	-
	Vehicle size (m):	1.500 x 0.640 x 1.090
	Gross vehicle weight (kg):	-
	Max. power (kW):	0.350
	Battery Capacity (kWh):	0.624
	Charging connector:	-
	Download Full Specification:	Click here.

	Vehicle Classification:	Class L1
	Electric Vehicle (EV) Classification:	LEV
	Brand name:	NWOW
	Model Number/Code:	ERV MINI
	Year Model:	-
	Vehicle size (m):	1.600 x 0.680 x 0.980
	Gross vehicle weight (kg):	-
	Max. power (kW):	1
	Battery Capacity (kWh):	0.96
	Charging connector:	-
	Download Full Specification:	Click here.

	Vehicle Classification:	Class L2
	Electric Vehicle (EV) Classification:	LEV
	Brand name:	NWOW
	Model Number/Code:	ERVS2
	Year Model:	-
	Vehicle size (m):	2.180 x 0.830 x 1.640
	Gross vehicle weight (kg):	-
	Max. power (kW):	1
	Battery Capacity (kWh):	0.96
	Charging connector:	-
	Download Full Specification:	Click here.





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	Vehicle Classification:	Class L2
	Electric Vehicle (EV) Classification:	LEV
	Brand name:	NWOW
	Model Number/Code:	ERV
	Year Model:	-
	Vehicle size (m):	2.180 x 0.830 x 1.640
	Gross vehicle weight (kg):	-
	Max. power (kW):	1
	Battery Capacity (kWh):	0.96
	Charging connector:	-
	Download Full Specification:	Click here.

	Vehicle Classification:	Class L4
	Electric Vehicle (EV) Classification:	LEV
	Brand name:	NWOW
	Model Number/Code:	EPED
	Year Model:	-
	Vehicle size (m):	1.750 x 1.400 x 1.270
	Gross vehicle weight (kg):	-
	Max. power (kW):	0.5
	Battery Capacity (kWh):	1.54
	Charging connector:	-
	Download Full Specification:	Click here.


	Vehicle Classification:	Class L1
	Electric Vehicle (EV) Classification:	LEV
	Brand name:	Fiido
	Model Number/Code:	D11 Folding e-bike
	Year Model:	-
	Vehicle size (m):	1.480 x 0.570 x 1.100
	Gross vehicle weight (kg):	120
	Max. power (kW):	0.25
	Battery Capacity (kWh):	0.418
	Charging connector:	-
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	Vehicle Classification:	Class L1
	Electric Vehicle (EV) Classification:	LEV
	Brand name:	Fiido
	Model Number/Code:	D21
	Year Model:	-
	Vehicle size (m):	1.480 x 0.570 x 1.100
	Gross vehicle weight (kg):	120
	Max. power (kW):	0.25
	Battery Capacity (kWh):	0.418
	Charging connector:	-
	Download Full Specification:	Click here.

	Vehicle Classification:	Class L1
	Electric Vehicle (EV) Classification:	LEV
	Brand name:	Fiido
	Model Number/Code:	Fiido X
	Year Model:	-
	Vehicle size (m):	1.490 x 0.587 x 1.070
	Gross vehicle weight (kg):	-
	Max. power (kW):	0.25
	Battery Capacity (kWh):	0.418
	Charging connector:	-
	Download Full Specification:	Click here.

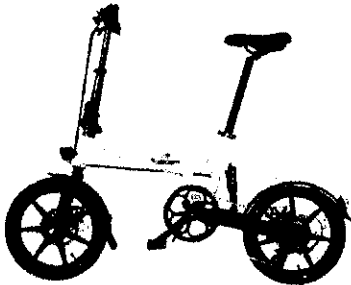
	Vehicle Classification:	Class L1
	Electric Vehicle (EV) Classification:	LEV
	Brand name:	Fiido
	Model Number/Code:	Fiido D4s
	Year Model:	-
	Vehicle size (m):	1.150 x 0.570 x 1.080
	Gross vehicle weight (kg):	120
	Max. power (kW):	0.25
	Battery Capacity (kWh):	0.374
	Charging connector:	-
	Download Full Specification:	Click here.

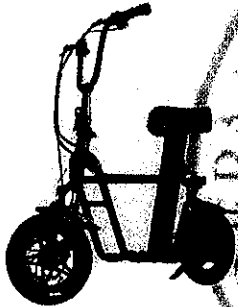


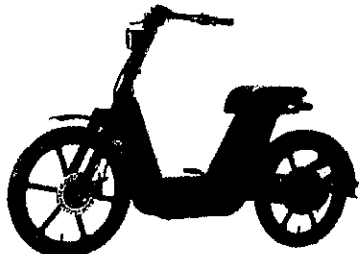


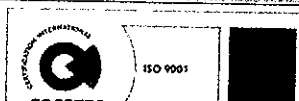
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	Vehicle Classification:	Class L1
	Electric Vehicle (EV) Classification:	LEV
	Brand name:	Fiido
	Model Number/Code:	Fiido D2s
	Year Model:	-
	Vehicle size (m):	1.350 x 0.400 x 1.100
	Gross vehicle weight (kg):	120
	Max. power (kW):	0.25
	Battery Capacity (kWh):	0.280
	Charging connector:	-
	Download Full Specification:	Click here.

	Vehicle Classification:	Class L1
	Electric Vehicle (EV) Classification:	LEV
	Brand name:	Fiido
	Model Number/Code:	Fiido Q1s Fiido Q1
	Year Model:	-
	Vehicle size (m):	1.250 x 0.630 x 1.100
	Gross vehicle weight (kg):	120
	Max. power (kW):	0.25
	Battery Capacity (kWh):	0.360
	Charging connector:	-
	Download Full Specification:	Click here.

	Vehicle Classification:	Class L1
	Electric Vehicle (EV) Classification:	LEV
	Brand name:	Sundiro Honda x Muji
	Model Number/Code:	MS01
	Year Model:	-
	Vehicle size (m):	1.839 x 1.089 x 0.693
	Gross vehicle weight (kg):	-
	Max. power (kW):	0.40
	Battery Capacity (kWh):	0.960
	Charging connector:	-
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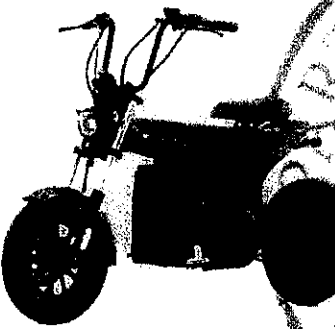


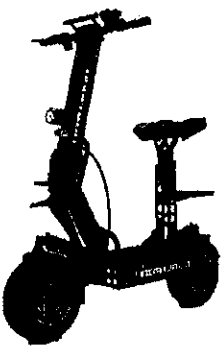
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	Vehicle Classification:	Class L1
	Electric Vehicle (EV) Classification:	LEV
	Brand name:	Sundiro Honda
	Model Number/Code:	SO7
	Year Model:	-
	Vehicle size (m):	1.730 x 1.200 x 0.830
	Gross vehicle weight (kg):	208.5
	Max. power (kW):	0.40
	Battery Capacity (kWh):	1.152
	Charging connector:	-
	Download Full Specification:	Click here.

	Vehicle Classification:	Class L1
	Electric Vehicle (EV) Classification:	LEV
	Brand name:	Honda
	Model Number/Code:	Honda Dax
	Year Model:	-
	Vehicle size (m):	1.582 x 0.730 x 0.996
	Gross vehicle weight (kg):	174.2
	Max. power (kW):	0.40
	Battery Capacity (kWh):	1.152
	Charging connector:	-
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	Vehicle Classification:	Class L3
	Electric Vehicle (EV) Classification:	LEV
	Brand name:	Dualtron
	Model Number/Code:	Dualtron X2
	Year Model:	-
	Vehicle size (m):	-
	Gross vehicle weight (kg):	150
	Max. power (kW):	8.30
	Battery Capacity (kWh):	3.0
	Charging connector:	-

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	Vehicle Classification:	Class L3
	Electric Vehicle (EV) Classification:	LEV
	Brand name:	Dualtron
	Model Number/Code:	Dualtron Storm
	Year Model:	-
	Vehicle size (m):	-
	Gross vehicle weight (kg):	150
	Max. power (kW):	6.640
	Battery Capacity (kWh):	2.268
	Charging connector:	-
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	Vehicle Classification:	Class L3
	Electric Vehicle (EV) Classification:	LEV
	Brand name:	Dualtron
	Model Number/Code:	Dualtron Ultra II
	Year Model:	-
	Vehicle size (m):	-
	Gross vehicle weight (kg):	150
	Max. power (kW):	6.640
	Battery Capacity (kWh):	2.520
	Charging connector:	-
	Download Full Specification:	Click here.


	Vehicle Classification:	Class L3
	Electric Vehicle (EV) Classification:	LEV
	Brand name:	Dualtron
	Model Number/Code:	Dualtron Thunder
	Year Model:	-
	Vehicle size (m):	-
	Gross vehicle weight (kg):	150
	Max. power (kW):	5.400
	Battery Capacity (kWh):	2.100
	Charging connector:	-
	Download Full Specification:	Click here.




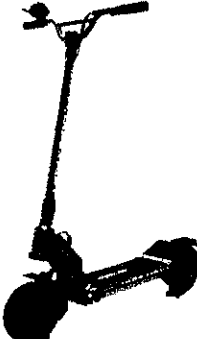


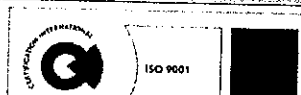
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	Vehicle Classification:	Class L3
	Electric Vehicle (EV) Classification:	LEV
	Brand name:	Dualtron
	Model Number/Code:	Dualtron Spider
	Year Model:	-
	Vehicle size (m):	-
	Gross vehicle weight (kg):	80
	Max. power (kW):	3.000
	Battery Capacity (kWh):	1.050
	Charging connector:	-
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	Vehicle Classification:	Class L3
	Electric Vehicle (EV) Classification:	LEV
	Brand name:	Dualtron
	Model Number/Code:	Dualtron Eagle
	Year Model:	-
	Vehicle size (m):	-
	Gross vehicle weight (kg):	110
	Max. power (kW):	3.600
	Battery Capacity (kWh):	1.092
	Charging connector:	-
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	Vehicle Classification:	Class L3
	Electric Vehicle (EV) Classification:	LEV
	Brand name:	Dualtron
	Model Number/Code:	Dualtron Mini
	Year Model:	-
	Vehicle size (m):	-
	Gross vehicle weight (kg):	90
	Max. power (kW):	1.450
	Battery Capacity (kWh):	0.676
	Charging connector:	-
	Download Full Specification:	Click here.





LIST OF RECOGNIZED ELECTRIC VEHICLES
Battery Electric Vehicle (BEV)
(As of May 2023)

	Vehicle Classification:	Class L3
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	Gogoro
	Model Number/Code:	Gogoro Delight
	Year Model:	2023
	Vehicle size (m):	1.782 x 0.65 x 1.10
	Gross vehicle weight (kg):	117
	Max. power (kW):	6.4
	Battery Capacity (kWh):	1.61
	Charging connector:	Battery swap
	Download Full Specification:	-


	Vehicle Classification:	Class L3
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	Gogoro
	Model Number/Code:	Gogoro 2
	Year Model:	2022
	Vehicle size (m):	1.88 x 0.67 x 1.09
	Gross vehicle weight (kg):	122
	Max. power (kW):	6.4
	Battery Capacity (kWh):	1.61
	Charging connector:	Battery swap
	Download Full Specification:	-

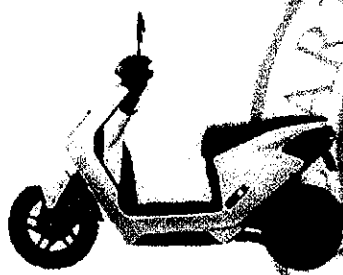
	Vehicle Classification:	Class L3
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	Gogoro
	Model Number/Code:	Gogoro Super Sport
	Year Model:	2023
	Vehicle size (m):	1.971 x 0.665 x 1.09
	Gross vehicle weight (kg):	122
	Max. power (kW):	7.2
	Battery Capacity (kWh):	1.61
	Charging connector:	Battery swap
	Download Full Specification:	-

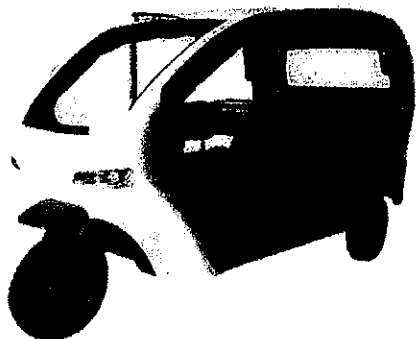


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	Vehicle Classification:	Class L3
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	NWOW
	Model Number/Code:	T10-A
	Year Model:	-
	Vehicle size (m):	2.320 x 0.720 x 1.330
	Gross vehicle weight (kg):	-
	Max. power (kW):	8.0
	Battery Capacity (kWh):	8.64
	Charging connector:	-
	Download Full Specification:	Click here.

	Vehicle Classification:	Class L3
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	Wuyang Honda
	Model Number/Code:	U-GO
	Year Model:	-
	Vehicle size (m):	1.790 x 0.680 x 1.080
	Gross vehicle weight (kg):	83
	Max. power (kW):	1.20
	Battery Capacity (kWh):	1.44
	Charging connector:	-
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	Vehicle Classification:	Class L5
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	TOJO MOTORS
	Model Number/Code:	Haribon
	Year Model:	-
	Vehicle size (m):	3.30 x 1.50 x 2.00
	Gross vehicle weight (kg):	400
	Max. power (kW):	5
	Battery Capacity (kWh):	7.2
	Charging connector:	-
	Download Full Specification:	Click here.





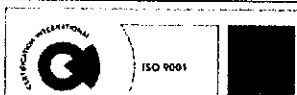
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	Vehicle Classification:	Class L5
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	TOJO MOTORS
	Model Number/Code:	Lawin 1
	Year Model:	-
	Vehicle size (m):	3.20 x 1.50 x 1.90
	Gross vehicle weight (kg):	400
	Max. power (kW):	5
	Battery Capacity (kWh):	7.2
	Charging connector:	-
	Download Full Specification:	Click here.

	Vehicle Classification:	Class L5
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	TOJO MOTORS
	Model Number/Code:	Lawin 2
	Year Model:	-
	Vehicle size (m):	3.33 x 1.48 x 2.00
	Gross vehicle weight (kg):	350
	Max. power (kW):	3
	Battery Capacity (kWh):	6
	Charging connector:	-
	Download Full Specification:	Click here.

	Vehicle Classification:	Class L5
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	TOJO MOTORS
	Model Number/Code:	Lawin Cargo
	Year Model:	-
	Vehicle size (m):	2.70 x 1.50 x 1.80
	Gross vehicle weight (kg):	400
	Max. power (kW):	3
	Battery Capacity (kWh):	6
	Charging connector:	-
	Download Full Specification:	Click here.

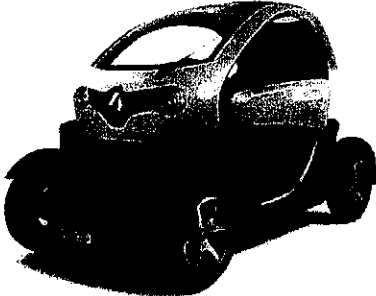



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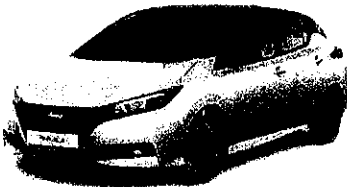


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	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	Renault
	Model Number/Code:	Renault Twizy
	Year Model:	
	Vehicle size (m):	2.338 x 1.234 x 1.454
	Gross vehicle weight (kg):	450
	Max. power (kW):	12.50
	Battery Capacity (kWh):	6.1
	Charging connector:	with provision of charger
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	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	Lexus RZ450e BEV
	Model Number/Code:	XEBM15L-AWDLS
	Year Model:	2023
	Vehicle size (m):	4.890 x 1.920 x 1.695
	Gross vehicle weight (kg):	2,640
	Max. power (kW):	230
	Battery Capacity (kWh):	71.4
	Charging connector:	with provision of charger
Download Full Specification:	Click here.	


	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	Nissan
	Model Number/Code:	Nissan Leaf
	Year Model:	2022
	Vehicle size (m):	4.490 x 1.788 x 1.540
	Gross vehicle weight (kg):	2,365
	Max. power (kW):	110
	Battery Capacity (kWh):	40
	Charging connector:	Type 1 CHAdeMO
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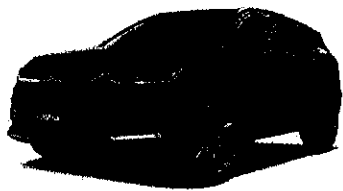





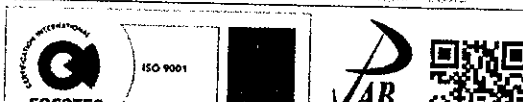
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	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	BMW iX xDrive40
	Model Number/Code:	11CF
	Year Model:	2022
	Vehicle size (m):	4.953 x 1.967 x 1.695
	Gross vehicle weight (kg):	2,365
	Max. power (kW):	240
	Battery Capacity (kWh):	71.4
	Charging connector:	Type 2 (AC) CCS Combo 2 (DC)
Download Full Specification:	Click here.	

	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	BYD
	Model Number/Code:	BYD Tang
	Year Model:	
	Vehicle size (m):	4.870 x 1.950 x 1.725
	Gross vehicle weight (kg):	2,820
	Max. power (kW):	180
	Battery Capacity (kWh):	82.8
	Charging connector:	Type 2 GB/T (AC) GB/T (DC)
Download Full Specification:	Click here.	


	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	BYD
	Model Number/Code:	BYD Han
	Year Model:	
	Vehicle size (m):	4.980 x 1.910 x 1.495
	Gross vehicle weight (kg):	2,545
	Max. power (kW):	163 (F), 200 (R)
	Battery Capacity (kWh):	76.9
	Charging connector:	Type 2 - GB/T (AC) GB/T (DC)
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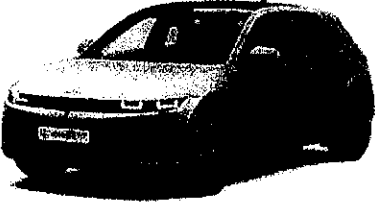


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	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	BYD
	Model Number/Code:	BYD Dolphin
	Year Model:	
	Vehicle size (m):	4.070 x 1.770 x 1.570
	Gross vehicle weight (kg):	1,780
	Max. power (kW):	70
	Battery Capacity (kWh):	44.9
	Charging connector:	Type 2 - GB/T (AC) GB/T (DC)
	Download Full Specification:	Click here.

	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	Audi
	Model Number/Code:	Audi e-tron
	Year Model:	
	Vehicle size (m):	4.901 x 2.043 x 1.629
	Gross vehicle weight (kg):	3,245
	Max. power (kW):	295
	Battery Capacity (kWh):	95
	Charging connector:	Type 2 - GB/T (AC) GB/T (DC)
	Download Full Specification:	Click here.

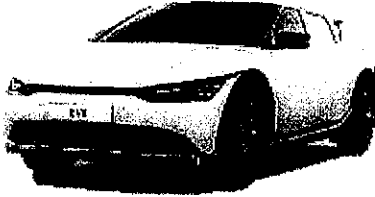
	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	Hyundai
	Model Number/Code:	Hyundai IONIQ 5
	Year Model:	
	Vehicle size (m):	4.635 x 1.890 x 1.605
	Gross vehicle weight (kg):	
	Max. power (kW):	217
	Battery Capacity (kWh):	72.6
	Charging connector:	Type 2 (AC)
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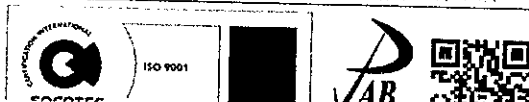
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	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	Kia
	Model Number/Code:	Kia EV6
	Year Model:	
	Vehicle size (m):	4.695 x 1.890 x 1.550
	Gross vehicle weight (kg):	2,425
	Max. power (kW):	168
	Battery Capacity (kWh):	77.4
	Charging connector:	Type 2 (AC) CCS Combo 2 (DC)
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	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	Porsche
	Model Number/Code:	Porsche Taycan 4S
	Year Model:	
	Vehicle size (m):	4.963 x 1.966 x 1.379
	Gross vehicle weight (kg):	2,880
	Max. power (kW):	320
	Battery Capacity (kWh):	79.2
	Charging connector:	Type 2 (AC) CCS Combo 2 (DC)
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	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	Weltmeister
	Model Number/Code:	Weltmeister W5
	Year Model:	
	Vehicle size (m):	4.585 x 1.835 x 1.672
	Gross vehicle weight (kg):	
	Max. power (kW):	160
	Battery Capacity (kWh):	52
	Charging connector:	GB/T
	Download Full Specification:	Click here.




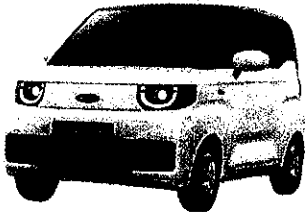


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	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	Volkswagen
	Model Number/Code:	Volkswagen ID6
	Year Model:	2023
	Vehicle size (m):	4.876 x 1.848 x 1.680
	Gross vehicle weight (kg):	2,880
	Max. power (kW):	150
	Battery Capacity (kWh):	84.8
	Charging connector:	GB/T (AC/DC)
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	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	Jaguar
	Model Number/Code:	Jaguar I-PACE
	Year Model:	
	Vehicle size (m):	4.682 x 2.139 x 1.566
	Gross vehicle weight (kg):	2,670
	Max. power (kW):	294
	Battery Capacity (kWh):	90
	Charging connector:	
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	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	Jetour
	Model Number/Code:	Jetour Ice Cream
	Year Model:	2023
	Vehicle size (m):	2.980 x 1.496 x 1.637
	Gross vehicle weight (kg):	-
	Max. power (kW):	18.64
	Battery Capacity (kWh):	13.9
	Charging connector:	-
Download Full Specification:	-	

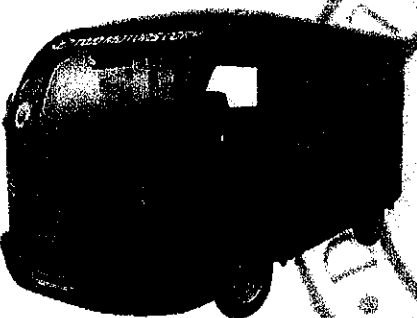


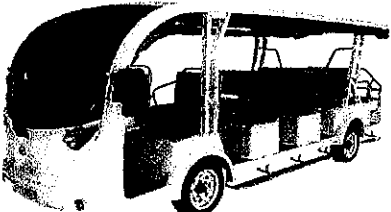


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	Vehicle Classification:	Class M2
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	TOJO MOTORS
	Model Number/Code:	Mandaragit PUV Class 2
	Year Model:	-
	Vehicle size (m):	1.56 x 1.70 x 2.70
	Gross vehicle weight (kg):	2,150
	Max. power (kW):	20
	Battery Capacity (kWh):	28.8
	Charging connector:	-
	Download Full Specification:	Click here.

	Vehicle Classification:	Class M2
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	TOJO MOTORS
	Model Number/Code:	Limbas X
	Year Model:	-
	Vehicle size (m):	4.50 x 1.70 x 2.20
	Gross vehicle weight (kg):	2,380
	Max. power (kW):	15
	Battery Capacity (kWh):	19.2
	Charging connector:	-
	Download Full Specification:	Click here.

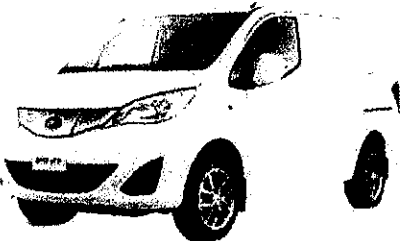
	Vehicle Classification:	Class M2
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	TOJO MOTORS
	Model Number/Code:	Tourister
	Year Model:	-
	Vehicle size (m):	5.1 x 1.5 x 1.9
	Gross vehicle weight (kg):	2,150
	Max. power (kW):	7.5
	Battery Capacity (kWh):	7.5
	Charging connector:	-
	Download Full Specification:	Click here.




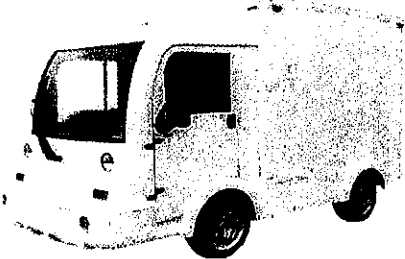


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	Vehicle Classification:	Class N1
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	BYD
	Model Number/Code:	BYD T3
	Year Model:	
	Vehicle size (m):	4.450 x 1.720 x 1.875
	Gross vehicle weight (kg):	2,625
	Max. power (kW):	100
	Battery Capacity (kWh):	50.3
	Charging connector:	
	Download Full Specification:	Click here.

	Vehicle Classification:	Class M3
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	Huaxin Jeep
	Model Number/Code:	BWC6700QCE
	Year Model:	2023
	Vehicle size (m):	6.95 x 1.85 x 2.57
	Gross vehicle weight (kg):	6,000
	Max. power (kW):	120
	Battery Capacity (kWh):	50
	Charging connector:	with provision of charger
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	Vehicle Classification:	Class N1
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	TOJO MOTORS
	Model Number/Code:	Limbas C600
	Year Model:	-
	Vehicle size (m):	3.70 x 1.40 x 2.10
	Gross vehicle weight (kg):	800
	Max. power (kW):	7.5
	Battery Capacity (kWh):	14.4
	Charging connector:	-
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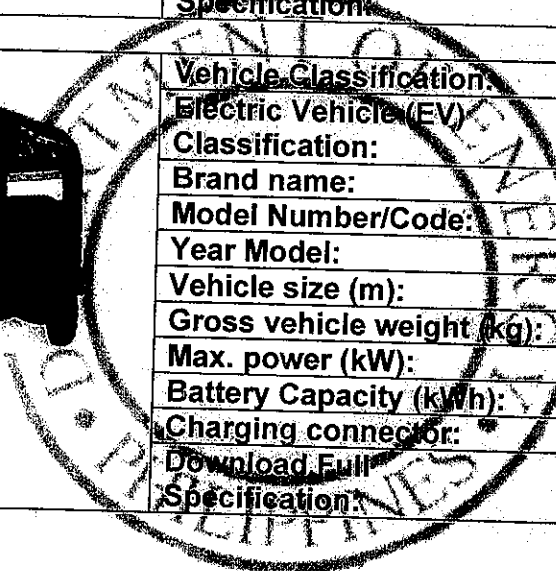


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	Vehicle Classification:	Class N1
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	NWOW
	Model Number/Code:	WARRIOR
	Year Model:	-
	Vehicle size (m):	2.600 x 0.900 x 1.320
	Gross vehicle weight (kg):	-
	Max. power (kW):	0.5
	Battery Capacity (kWh):	1.54
	Charging connector:	-
	Download Full Specification:	Click here.

	Vehicle Classification:	Class N1
	Electric Vehicle (EV) Classification:	BEV
	Brand name:	NWOW
	Model Number/Code:	DCY
	Year Model:	-
	Vehicle size (m):	2.840 x 1.230 x 1.810
	Gross vehicle weight (kg):	-
	Max. power (kW):	1.8
	Battery Capacity (kWh):	6.5
	Charging connector:	-
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LIST OF RECOGNIZED ELECTRIC VEHICLES

Hybrid Electric Vehicle (HEV)

(As of May 2023)

	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	HEV
	Brand name:	Toyota Camry
	Model Number/Code:	AXVH71L-JEXVBT
	Year Model:	2021 – present
	Vehicle size (m):	4.885 x 1.840 x 1.445
	Gross vehicle weight (kg):	2,100
	Max. engine power (kW):	131
	Max. electric power (kW):	88
	Battery Capacity (kWh):	1.59
Download Full Specification:	Click here.	

	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	HEV
	Brand name:	Toyota Corolla Altis HEV
	Model Number/Code:	ZWE211L-GEXVBM
	Year Model:	2019 – present
	Vehicle size (m):	4.635 x 1.780 x 1.455
	Gross vehicle weight (kg):	1,830
	Max. engine power (kW):	72
	Max. electric power (kW):	53
	Battery Capacity (kWh):	1.31
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	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	HEV
	Brand name:	Toyota Corolla Cross
	Model Number/Code:	ZVG10L-DHXEBM
	Year Model:	2020 – present
	Vehicle size (m):	4.455 x 1.825 x 1.620 (GR-S HEV) 4.460 x 1.825 x 1.620 (V HEV)
	Gross vehicle weight (kg):	1,850
	Max. engine power (kW):	72
	Max. electric power (kW):	53
	Battery Capacity (kWh):	1.31
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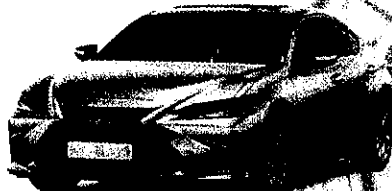





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	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	HEV
	Brand name:	Lexus ES300h HEV
	Model Number/Code:	AXZH10L-AEXGBV
	Year Model:	2021 – present
	Vehicle size (m):	4.975 x 1.865 x 1.445
	Gross vehicle weight (kg):	2,150
	Max. engine power (kW):	131
	Max. electric power (kW):	88
	Battery Capacity (kWh):	1.591
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	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	HEV
	Brand name:	Lexus IS300h HEV
	Model Number/Code:	AVE30L-BEXLH
	Year Model:	2020 – present
	Vehicle size (m):	4.710 x 1.840 x 1.435
	Gross vehicle weight (kg):	2,160
	Max. engine power (kW):	133
	Max. electric power (kW):	105
	Battery Capacity (kWh):	1.498
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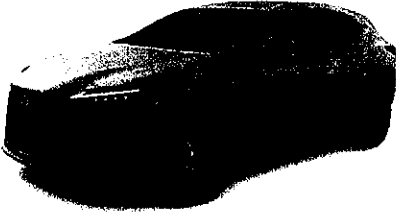
	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	HEV
	Brand name:	Lexus LS500h
	Model Number/Code:	GVH50L-AEVBH
	Year Model:	2023
	Vehicle size (m):	5.235 x 1.900 x 1.450
	Gross vehicle weight (kg):	2,725
	Max. engine power (kW):	220
	Max. electric power (kW):	132
	Battery Capacity (kWh):	1.336
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	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	HEV
	Brand name:	Lexus NX350h
	Model Number/Code:	AAZH25L-AWXLB
	Year Model:	2014 – present
	Vehicle size (m):	4.660 x 1.865 x 1.660
	Gross vehicle weight (kg):	2,380
	Max. engine power (kW):	140
	Max. electric power (kW):	174
	Battery Capacity (kWh):	1.114
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	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	HEV
	Brand name:	Toyota Rav4
	Model Number/Code:	AXAH52L-ANXGB AXAH52L-ANXMB
	Year Model:	2022 – present
	Vehicle size (m):	4.600 x 1.855 x 1.685
	Gross vehicle weight (kg):	2,195 2,180
	Max. engine power (kW):	131
	Max. electric power (kW):	88
	Battery Capacity (kWh):	1.59
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	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	HEV
	Brand name:	Lexus RX350h
	Model Number/Code:	AALH15L-AWXGB
	Year Model:	2010 – present
	Vehicle size (m):	4.890 x 1.920 x 1.695
	Gross vehicle weight (kg):	2,660
	Max. engine power (kW):	140
	Max. electric power (kW):	134 (Front), 40 (Rear)
	Battery Capacity (kWh):	1.114
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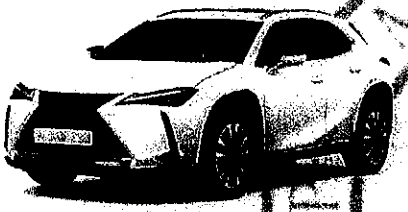


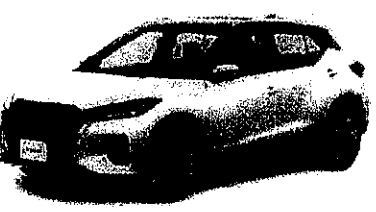


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	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	HEV
	Brand name:	Lexus RX500h
	Model Number/Code:	TALH17L-AWTGT
	Year Model:	2023
	Vehicle size (m):	4.890 x 1.920 x 1.695
	Gross vehicle weight (kg):	2,750
	Max. engine power (kW):	202
	Max. electric power (kW):	64 (Front), 75.9 (Rear)
	Battery Capacity (kWh):	1.440
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	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	HEV
	Brand name:	Lexus UH250h
	Model Number/Code:	MZAH10L-AWXBB
	Year Model:	2022 – present
	Vehicle size (m):	4.495 x 1.840 x 1.520
	Gross vehicle weight (kg):	2,110
	Max. engine power (kW):	107
	Max. electric power (kW):	80
	Battery Capacity (kWh):	1.404
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	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	HEV
	Brand name:	Nissan
	Model Number/Code:	Nissan Kicks e-POWER
	Year Model:	2023
	Vehicle size (m):	4.300 x 1.760 x 1.615
	Gross vehicle weight (kg):	1,343 (EL) 1,349 (VE) 1,359 (VL)
	Max. engine power (kW):	-
	Max. electric power (kW):	100
	Battery Capacity (kWh):	2.13
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LIST OF RECOGNIZED ELECTRIC VEHICLES
Plug-in Hybrid Electric Vehicle (PHEV)
(As of May 2023)

	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	PHEV
	Brand name:	BYD
	Model Number/Code:	BYD Tang Dual Hybrid Mode
	Year Model:	
	Vehicle size (m):	4.870 x 1.950 x 1.725
	Gross vehicle weight (kg):	2,995
	Max. engine power (kW):	151
	Max. electric power (kW):	110
	Battery Capacity (kWh):	19.96
	Charging connector:	Type 2 - GB/T (AC) GB/T (DC)
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	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	PHEV
	Brand name:	Chery
	Model Number/Code:	Chery Tiggo 8 PRO e+
	Year Model:	
	Vehicle size (m):	4.722 x 1.860 x 1.746
	Gross vehicle weight (kg):	
	Max. engine power (kW):	151
	Max. electric power (kW):	70
	Battery Capacity (kWh):	19.27
	Charging connector:	
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	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	PHEV
	Brand name:	Mitsubishi
	Model Number/Code:	Mitsubishi Outlander
	Year Model:	
	Vehicle size (m):	4.695 x 1.800 x 1.710
	Gross vehicle weight (kg):	2,390
	Max. engine power (kW):	94
	Max. electric power (kW):	60 (F), 70 (R)
	Battery Capacity (kWh):	19.27
	Charging connector:	Type 1 (AC)
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	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	PHEV
	Brand name:	Jaguar
	Model Number/Code:	F-PACE P400e
	Year Model:	
	Vehicle size (m):	4.747 x 1.665 x 1.664
	Gross vehicle weight (kg):	2,690
	Max. engine power (kW):	297
	Max. electric power (kW):	143
	Battery Capacity (kWh):	13.6
	Charging connector:	Type 2 (AC) CCS Combo 2 (DC)
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	Vehicle Classification:	Class M1
	Electric Vehicle (EV) Classification:	PHEV
	Brand name:	Land Rover
	Model Number/Code:	Range Rover P400e
	Year Model:	-
	Vehicle size (m):	4.879 x 1.984 x 1.803
	Gross vehicle weight (kg):	3,300
	Max. engine power (kW):	297
	Max. electric power (kW):	85
	Battery Capacity (kWh):	19.2
	Charging connector:	Type 2 (AC)
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