

*File*

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-306-6  
Relating to Certification of New Motor Vehicles

SOLECTRIA CORPORATION

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1999 model-year Solectria Corporation new pure electric motor vehicles are certified as described below for passenger cars:

Emission Standard Category: Zero-Emission Vehicle (ZEV)

Fuel Type: Battery-Stored Electricity

Engine Family: XSLCV0000001

Battery Type: Lead Acid

Vehicle Model: Force

BE IT FURTHER RESOLVED: That because the listed vehicle models are powered by battery-stored electricity, and the only on-board system consuming any fuel other than electricity is a fuel-fired heating system that is designed and equipped so that it cannot be activated at temperatures above 40 degrees Fahrenheit and has been demonstrated to have zero evaporative emissions under any and all possible operational modes and conditions, the vehicle models meet the certification requirements for ZEVs set forth in Title 13, California Code of Regulations, Section 1960.1(g)(1), note (2.1)a; the listed vehicle models also meet the definition of "low-emission motor vehicle" set forth in Health and Safety Code Sections 39037.05 and 43800.

BE IT FURTHER RESOLVED: That no modification may be made to the on-board heating system that would make it operable at temperatures above 40 degrees Fahrenheit, or that would result in evaporative emissions under any possible operational mode or condition.

BE IT FURTHER RESOLVED: That the listed vehicle models have been demonstrated, based on the vehicle range capabilities or on the specific energy of the battery, to qualify for and shall be granted one ZEV credit pursuant to Title 13, California Code of Regulations, Section 1960.1(g)(2), note (9)a.

BE IT FURTHER RESOLVED: That the listed vehicle models shall comply with the "California Motor Vehicle Emission Control and Smog Index Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models shall be clearly labeled as "low-emission motor vehicles" pursuant to the requirements of Health and Safety Code Section 43802(a).

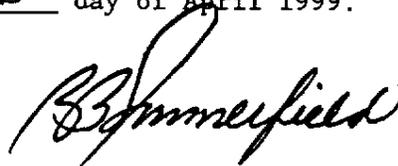
BE IT FURTHER RESOLVED: That because the vehicles certified by this executive order have no parts that affect emissions for which there is an applicable emission requirement, the manufacturer is not required to provide an emission control system warranty pursuant to Health and Safety Code Section 43205 or Title 13, California Code of Regulations, Sections 2035 et seq.

Quarterly production reports shall be submitted to the Executive Officer no later than 45 days after the end of each quarter.

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order.

Executed at El Monte, California this 5<sup>th</sup> day of April 1999.



R. B. Summerfield, Chief  
Mobile Source Operations Division

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**1999 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
ZEV-PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM DUTY VEHICLES**

Manufacturer Solectria Corporation Engine Family XSLCV0000001  
 Veh Class(es) PC  LDT1  LDT2  MDV1  MDV2  MDV3  MDV4  MDV5   
 No. of ZEV Credits per vehicle 1  
 Fuel Type: Electro chemical  Fuel Cell  Capacitor  Other(specify) \_\_\_\_\_  
 Battery Types(s): Lead Acid  Nickel Cadmium  SBLA  Sodium Sulfur   
 Sodium Nickel Chloride  Nickel Metal Hydride  Lithium Metal Disulfide   
 Zinc Air  Zinc Bromine  Lithium Polymer  Other(specify) \_\_\_\_\_  
 Total Battery Weight 832 lbs Total Battery Volume 11,050 in<sup>3</sup> Battery Specific Energy 21.1 Wh/kg  
 No. of batteries or modules per vehicle 13 Total Battery Voltage 156V  
 Charger(s): on-board  off-board  conductive  inductive   
 Drive Motor(s): AC Induction  DC Brush  DC Brushless   
 Switched Reluctance  Other(specify) \_\_\_\_\_  
 No. of Drive Motors 1 Rated motor power 34kW @ 3000 rpm Max rpm 12,000  
 Drive: FWD  RWD  4WD-FT  4WD-PT   
 Regenerative Braking: No  Yes  FW  RW  AW   
 Driver Controller Regen Braking: Yes  No  Coast Regen Braking: Yes  No   
 Air Conditioning: Yes  No   
 Fuel Fired Heater: Fuel Type: Gas  Diesel  CNG  LNG   
 LPG  Other(specify) \_\_\_\_\_ Rated Heat Power 5 kW

Vehicle Models (If coded see attachment)	Trans. type MS, A4 (if applicable)	GVWR	Curb Weight	FTW or Test Weight	DPA or RLHP
Force	auto/1spd	320G lbs	2750 lbs	2716 lbs	lbf

$RLHP \text{ lbf} = 2.34 + 0.69V + 6.16V^2$

Date Issued:

Revisions: