



2026 Generic Electric Vehicle (EV) Label Calculator

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The purpose of this form is to assist manufacturers in calculating fuel economy (FE) label values for the electric vehicles (EVs) they produce. The form may also be used to share information with the U.S. Environmental Protection Agency (EPA) to assist in review of fuel economy data under 40 CFR 600.312-08(a). The completed form should be emailed to the staff responsible for fuel economy label data, currently Hannah Frame (frame.hannah@epa.gov) and Joshua Kimball (kimball.joshua@epa.gov).

Instructions for Completing This Form

For a simple EV label, please use the second tab, "EV Calculations (Calcs)." If voluntary adjustment of label values under 40 CFR 600.210-12(a) is intended, please use the third tab, "EV Calcs - Voluntarily Adjusted." Please note neither tab of this form is intended to calculate label fuel economy values for vehicles with multiple base levels. Please see 40 CFR 600.209-12 for more information on calculating the FE label values for a model type. Further instructions for completing the form may be found on the next two tabs.

Authorities and References

[40 CFR 600.002 "Gasoline gallon equivalent" definition](#)
[40 CFR 600.210-12\(c\)\(1\)\(iii\)](#)
[40 CFR 600.311-12\(e\)](#)
[40 CFR 600.113-12\(n\)](#)
[40 CFR 1065.20](#)

[40 CFR 1065.20\(e\)\(5\)](#)
[IACD-2025-03 \(Revised\)](#)
[SAE J1634 \(July 2017\)](#)
[www.fueleconomy.gov](#)

Form #
PFN-3420-3

Model Year (MY) 26 Fuel Economy (FE) Label Miles Per Gallon (MPG) Calculations For Electric Vehicles

This sheet is designed to be able use "Set Precision As Displayed" to reduce floating point errors if needed, at the cost of calculation accuracy (minimal here due to most calculation paths being short).

Please Enter:

Model Year: 2026
Manufacturer Name: xxxxxxxx
Model Name: yyyyyyyy
Test Date: xx/yy/2025

Values in Yellow fill are used on FE Labels (window stickers)

H. Frame 2025-09-22

I(a). Enter the EPA approved 5-cycle Adjustment Factor per SAE J1634 (July 2017): 0.7200400000 Use at least six significant digits when transmitting this intermediate value
(Enter 0.70 if not using the SAE J1634 5-cycle method) See 40 CFR 1065.20 for more information on rounding and precision

I. Calculate Electric vehicle FE Label city, Highway (Hwy), Combined FE values using the SAE J1634 5-cycle Adjustment Factor or the 0.7 Adjustment Factor:

I(b). Enter unrounded, unadjusted AC Wh/mi Values (in grey shaded text blocks) as determined from SAE J1634:
*Use at least six significant digits when transmitting these intermediate values, as prescribed by 40 CFR 1065.20

-----Unadjusted Values-----									
		City	Highway	Combined	Units	City	Hwy	Combined	Units
Vehicle FE	unadjusted W-hr/mi*	173.3216459982	204.3266006051	186.0241089497	W-hr/ mi	140.0226039871	118.7752751141	130.4613059943	MPGe (5-cycle method, unrounded, adjusted)
Vehicle FE	converted to Miles Per Gallon equivalent (MPGe)	194.4650352579	164.9564956309	181.1861924258	MPGe	24.0711135490	28.3771180219	25.8352465071	kW-hr/100 mi (5-cycle method, unrounded, adjusted)
2026MY Label Values:									
		140	119	130		Rounded MPGe Using SAE J1634 (5-cycle) or 0.7 Adjustment Factor:			
		24	28	26		Rounded kW-hr/100 mi Using SAE J1634 (5-cycle) or 0.7 Adjustment Factor:			

II. Calculate the adjusted electric vehicle driving ranges using the SAE J1634 5-cycle Adjustment Factor or the 0.7 Adjustment Factor:

II(a). Enter unrounded, unadjusted City & Hwy Range Values in miles (in red text blocks) as determined from SAE J1634:
*Use at least six significant digits when transmitting these intermediate values, as prescribed by 40 CFR 1065.20

	City Range	Hwy Range	Combined Range	Range	Units	Method:
Calculate unadjusted combined driving range*:	380.7337486322	322.9603967597	354.7357402896	355	miles	Unadjusted (SAE J1634)
Calculate adjusted driving range (5-cycle or 0.7 Adj Factor):	274.1435283652	232.5444040829	255.4239224381	255	miles	(Adjusted driving range using 5-cycle or 0.7 Adjustment Factor)

III. Calculate Electric vehicle annual fuel cost and 5-year savings, per 40 CFR 600.311-12(e)

III(a). Enter Average 2026MY 5-year Fuel Cost: \$8.500 (Whole number)
III(b). Enter 2026MY U.S. average electricity cost: \$0.17 (2 decimal places)
(from IACD-2025-03 (Revised) for 2026 model year)

Calculate adjusted, combined miles per kW-hr: 3.8706810857
... and round to the nearest 0.001 (see 40 CFR 600.210-12(c)(1)(iii)): 3.871

Petroleum Equivalency Factor for FE Labels; ref. 40 CFR 600.002 "Gasoline gallon equivalent" definition	Annual Miles	Cost	Units	Unrounded Annual Fuel Cost*	Method	2026 Label Rounded Annual Fuel Cost**	2026 Label 5-year Amount You Save**
33,705 watt-hr/gallon	15,000	\$0.17	per kw-hr	\$658.80	(Using SAE J1634 5-cycle or 0.7 Adjustment Factor)	\$650.00	\$5,250
					*Note: Annual fuel costs should be rounded to the nearest \$50 using the method prescribed by 40 CFR 1065.20(e)(5).	**Note: These values are used on the window stickers. (They may be different from the www.fueleconomy.gov values, because www.fueleconomy.gov uses a floating fuel cost).	

Model Year 2026 Rating Scale For Fuel Economy		
Fuel Economy Rating	Lower Bound (MPG)	Upper Bound (MPG)
10	121	999
9	67	120
8	47	66
7	36	46
6	29	35
5	23	28
4	19	22
3	16	18
2	14	15
1	0	13

These ratings are from IACD-2025-03 (Revised)

2026 Label Fuel Economy Rating	2026 Label Greenhouse Gas Rating
10	10

**Greenhouse Gas Rating label values are 10 for all fully electric vehicles, as tailpipe CO2 emissions for EVs are defined to be zero by 40 CFR 600.113-12(n)

MY26 FE Label MPG Calculations For Electric Vehicles with Voluntarily Adjusted Label Values

This sheet is designed to be able use "Set Precision As Displayed" to reduce floating point errors if needed, at the cost of calculation accuracy (minimal here due to most calculation

Please Enter:
Model Year: 2026
Manufacturer Name: xxxxxxxx
Model Name: yyyyyyyy
Test Date: xdyyy/2025

Values in Blue fill are used on FE Labels (window stickers)

H. Frame2025-09-22

I(a). Enter the EPA approved 5-cycle Adjustment Factor per SAE J1634 (July 2017): 0.7200400000
(Enter 0.70 if not using the SAE J1634 5-cycle method)

Use at least six significant digits when transmitting this intermediate value
See 40 CFR 1065.20 for more information on rounding and precision

I. Calculate Electric vehicle FE Label city, Hwy, Combined FE values using the SAE J1634 5-cycle Adjustment Factor or the 0.7 Adjustment Factor:

I(b). Enter unrounded, unadjusted AC Wh/mi Values (in grey shaded text blocks) as determined from SAE J1634:
*Use at least six significant digits when transmitting these intermediate values, as prescribed by 40 CFR 1065.20

-----Unadjusted Values-----

	City	Highway	Combined	Units
Vehicle FE unadjusted W-hr/mi*	173.3216459982	204.3266006051	186.0241089497	W-hr/ mi
Vehicle FE converted to MPGe	194.4650352579	164.9564956309	181.1861924258	MPGe

CityHwyCombinedUnits
140.0226039871118.7752751141130.4613059943
24.071113549028.377118021925.8352465071
130.4613059943 MPGe (5-cycle method, unrounded, adjusted)
25.8352465071 kW-hr/100 mi (5-cycle method, unrounded, adjusted)

2026MY Label Values:

City	Hwy	Combined	Units
140	119	130	
24	28	26	
129	109	120	
128.7946058059	109.2510373483	-	Unrounded adjusted voluntarily lowered city/hwy MPGe values (for reference only)
26.1695742528	30.8509656458	28.0875000000	Unrounded adjusted voluntarily raised kW-hr/100 mi energy consumption values (for reference only)
26	31	28	

Voluntarily Reduced MPGe values shown on Label ----->

Voluntarily Increased kW-hr/100 mi values ----->

Rounded MPGe Using SAE J1634 (5-cycle) or 0.7 Adjustment Factor:
Rounded kW-hr/100 mi Using SAE J1634 (5-cycle) or 0.7 Adjustment Factor:
----- Enter only voluntarily reduced combined MPG (or leave blank); (other values are automatically calculated)

II. Calculate the adjusted electric vehicle driving ranges using the SAE J1634 5-cycle Adjustment Factor or the 0.7 Adjustment Factor:

II(a). Enter unrounded, unadjusted City & Hwy Range Values in miles (in grey shaded text blocks) as determined from SAE J1634:
*Use at least six significant digits when transmitting these intermediate values, as prescribed by 40 CFR 1065.20

	City Range	Hwy Range	Combined Range	Range	Units
Calculate unadjusted combined driving range*:	380.7337486322	322.9603967597	354.7357402896	355	miles
Calculate adjusted driving range (5-cycle or 0.7 Adj Factor):	274.1435283652	232.5444040829	255.4239224381	255	miles
Voluntarily Reduced Range Values	241	205	225	225	miles

Method:
Unadjusted (SAE J1634)
(Adjusted driving range using 5-cycle or 0.7 Adjustment Factor)

----- I(b). Enter Voluntary Reduced (Combined) Range Value shown on label

III. Calculate Electric vehicle annual fuel cost and 5-year savings, per 40 CFR 600.311-12(e)

III(a). Enter Average 2026MY 5-year Fuel Cost: \$8.500 (Whole number)
III(b). Enter 2026MY U.S. average electricity cost: \$0.17 (2 decimal places)
(from IACD-2025-03 (Revised) for 2026 model year)

Calculate voluntarily raised, adjusted, combined miles per kW-hr: 3.5714285714
... and round to the nearest 0.001 (see 40 CFR 600.210-12(c)(1)(iii)): 3.571

	Annual Miles	Cost	Units	Unrounded Annual Fuel Cost*	Method	Rounded Annual Fuel Cost**	5-year Amount You Save**
	15,000	\$0.17	per kw-hr	\$714.00	(Using SAE J1634 5-cycle or 0.7 Adjustment Factor)	\$700	\$5,000

Petroleum Equivalency Factor for FE Labels;
ref. 40 CFR 600.002 "Gasoline gallon equivalent" definition
33,705 watt-hr/gallon

*Note: Annual fuel costs should be rounded to the nearest \$50 using the method prescribed by 40 CFR 1065.20(e)(5).

**Note: These values are used on the window stickers.
(They may be different from the www.fueleconomy.gov values, because www.fueleconomy.gov uses a floating fuel cost).

Model Year 2026 Rating Scale For Fuel Economy		
Fuel Economy Rating	Lower Bound (MPG)	Upper Bound (MPG)
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These ratings are from IACD-2025-03 (Revised)

2026 Label
Fuel Economy Rating
9

2026 Label
Greenhouse Gas Rating
10

**Greenhouse Gas Rating label values are 10 for all fully electric vehicles, as tailpipe CO2 emissions for EVs are defined to be zero by 40 CFR 600.113-12(n)