

What is the EV Energy Density Monthly Assessment?

- The assessment provides a **monthly weighted average of battery pack sizes across the EV industry**, based on an analysis of the following vehicle classes:
 - Passenger Car & Light Duty vehicles
 - Buses and Coaches
 - Medium duty commercial vehicles
 - Heavy duty commercial vehicles

Why subscribe to the EV Energy Density Monthly Assessment?

- The report is an essential tool for tracking the development of EV battery technology and its impact on vehicle range, cost, battery chemistry and battery pack technology and design
- These trends have implications along the EV supply chain for battery raw materials suppliers, battery manufacturers, OEMs, and charging infrastructure providers, as well as anyone with an interest in the EV battery supply chain

How is the report delivered?

- The assessment comes as a Monthly PDF report with metrics for the following:
 - Current month aggregated weighted average battery pack size for the EV industry
 - Current month weighted average battery pack size by vehicle class
 - Monthly battery pack size development history
 - Commentary on the factors driving battery pack energy density trends
 - Analyst access

What does the report cost?

- Annual subscription to the report is GBP2,000

To subscribe or for more information call or email:

- Tel +44 (0) 203 286 8936
- Email info@rhomotion.com

Assessment Methodology

Rho Motion's *EV Energy Density Monthly Assessment* is a weighted average of EV battery pack sizes across passenger car and light duty vehicle, bus and coach, and medium and heavy duty vehicle classes.

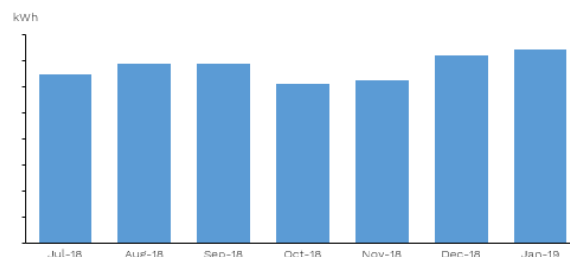
EV sales data is collected on a model-by-model basis for major markets for both BEV and PHEV. Data is gathered from automotive associations, manufacturers as well as government and trade statistics. This analysis covers a minimum of 75% of total global market sales, and provides a balanced representation of markets with different vehicle characteristics, suppliers and seasonality.

Where EV specific model data is not explicitly stated estimates are used based on industry and company reports and primary research. These are then corroborated or adjusted when official data becomes available.

For each vehicle model we collect data relating to battery pack size, battery chemistry, cell format, number of cells, and pack supplier in addition to a number of other vehicle metrics. Heavy and medium duty data is supplied by powertrain specialist consultants [Knibb, Gormezano & Partners \(KGP\)](#) who have been tracking vehicle markets and providing technical consulting in automotive and related sectors for 30 years.

Sample Analysis

Monthly weighted average EV pack size all vehicle classes, Jul '18 – Jan '19



Monthly summary by vehicle class

Vehicle class	Weighted average pack size
Passenger Car & LDV	## kWh
Buses and Coaches	## kWh
Medium duty commercial vehicles	### kWh
Heavy duty commercial vehicles	### kWh
Sales weighted average of all sectors	## kWh