

The new Avant e727 and e747:

## REDEFINING THE ELECTRIC LOADER WORLD

Revealed at Bauma 2025, the new Avant e700 series takes electric-powered heavy work to the next level. Finnish loader manufacturer Avant Tecno is the first to introduce a compact loader in this size class with a 47 kWh battery and a direct electric driveline.

**Munich, Germany** – The biggest and strongest Avant e loader series sets the new global standard, as two highly anticipated heavy duty electric loader models, Avant e727 and Avant e747, are changing the game again.

“Although the popular Avant e500 series has proven extremely useful for various worksites, the market has still been missing heavy-duty electric loaders with greater lifting power, longer range, faster drive speed, bigger battery capacity, and energy efficiency”, says **Tuomas Färin**, Commercial Product & Sales manager at Avant Tecno Oy.

### **Avant e727: Efficient powertrain & Autoshift**

The Avant e727 is an excellent machine for various lifting and transfer work. The lift capacity of the loader is 1400 kg. Looking at the overall performance of the loader, especially from the perspective of power and usage, it is comparable to a similar size Avant diesel loader. The driving speed is also in the same range.

Avant e727 has a 27 kWh Avant OptiTemp<sup>®</sup> battery manufactured at the Avant Power battery factory – like the more compact Avant e527.

The operating time of the e727 is close to that of the Avant e527 due to the optimization in the powertrain. The new powertrain of the e727 includes only one electric motor, a variable displacement drive pump and two pumps for auxiliary hydraulics.

A totally new feature on the e727 is Autoshift which is designed to optimize the energy efficiency of the driveline. Together, Autoshift and the combination of the variable displacement pump and the two-speed drive motors enable optimal energy efficiency and driving comfort. The low noise level will also delight Avant users.

### **Avant e747: Excellent loader for heavy construction work**

The true star of the e series – the e747 with a 47 kWh Avant OptiTemp<sup>®</sup> battery – is a fully electric powerhouse for demanding professional use in property maintenance or construction & demolition.

“Avant e747 is ideal for various professional uses. Think construction or demolition sites where raw power and durability are necessities. Or property maintenance work, where you need a compact, effective and agile loader for full workdays”, says Tuomas Färin.

Avant e747 has a direct electric driveline. The four electric drive motors get their power directly from the battery, and the auxiliary hydraulics is separated from the drive system. As each drive motor is

controlled individually, traction control is very precise, and the loader is gentle on all surfaces. The new eWheel drive motors are specially designed for offroad compact machinery.

The fully electric drive line makes the e747 a perfect choice for professionals, guaranteeing low noise level and improved efficiency, which is reflected in the longer operating time and greater machine power.

“We are aiming for a very long operating time. This means you can work with less or no breaks throughout the day even though the work gets heavy,” says Tuomas Färin.

### **Avant e727**

- An excellent fully electric loader for material handling and load & haul use. Made especially for construction, horse stables, farming, landscaping, etc.
- Affordable model, intended for running light to medium powered hydraulically rotating attachments. Ideal for sites where the working radius is less than 2 km.
- Two-speed drive system with new Autoshift feature (automatic shifts between the low and high gear).
- 27 kWh battery – the same battery as in Avant e527.
- 3 kW onboard charging as standard; rapid charging as an option.
- GT cab as an option.
- Manufacturing begins in Q4/2025.

### **Avant e747**

- A high-power fully electric loader for very demanding use. Optimal for property maintenance, industry, and landscaping.
- Runs also high-power hydraulically rotating attachments. A perfect electric loader when working on a larger area with more than a 3 km radius.
- Strong eWheel drive motors guarantee optimal drive modes in all situations.
- A totally new 47 kWh battery, offering 74% more capacity than the 27 kWh battery. Avant is the first manufacturer that has a battery of this capacity in such a compact loader size class.
- GT cab with optional AC available.
- Manufacturing begins in 2026.

**Avant e series models technology and performance: A comparison**

Loader model	Avant e513	Avant e527	Avant e727	Avant e747
Operating time*	3 h	6 h	5,5 h	9 h
Charging time**	1 h 10 min	1 h 10 min	1 h 10 min	1 h 55 min
Electric motors	2	2	1	1 + 4 eWheel drive motors
Hydraulic drive pumps	1	1	1	0
Auxiliary pumps	1	1	2	2
Hydraulic drive motors	4	4	4	0
Electric drive motors	0	0	0	4
Electric motors and controller cooling	Air-cooled	Air-cooled	Liquid cooling (electric motor + controller)	Liquid cooling (main electric motor + controller + 4 drive motors)
Battery capacity and voltage	13 kWh / 44 V	27 kWh / 44 V	27 kWh / 44 V	47 kWh / 51 V
Lift capacity	900 kg	900 kg	1400 kg	1400 kg
Auxiliary hydraulics	30 l/min / max. 185 bar	30 l/min / max. 185 bar	Max. 35 l/min / max. 200 bar (preliminary)	Max. 60 l/min / max. 225 bar (preliminary)
Drive modes	Low / eco / high	Low / eco / high	Low / eco / high (Autoshift)	Low / eco / high
Option: GT cab	Not available	Available (with heating)	Available (with heating)	Available (with heating and A/C)
Availability	Now	Now	Q4/2025	2026

\*In medium duty loading work. The operating times for e727 and e747 are preliminary.

\*\*Charging times from 10—80% SOC with Avant's own DC rapid charging station (22 kW).

**Hi-resolution images:** <https://avant.pictures.fi/kuvat/Press+Photos/Bauma+2025/>

**Additional information:** Avant Tecno marketing, [marketing@avanttecno.com](mailto:marketing@avanttecno.com)



*Avant Tecno Oy is a world leading manufacturer of high-quality compact loaders and attachments. Founded in 1991, Avant has become a household name in the compact loader business thanks to its numerous innovative solutions over the years. The Avant factory is in Ylöjärvi, near the city of Tampere in Finland. In addition, Avant has subsidiary sales offices in Germany, Great Britain and the United States, and independent importers in over 70 countries all over the world. [www.avanttecno.com](http://www.avanttecno.com)*