



ELECTRIC MATERIAL HANDLER WITH BATTERY TECHNOLOGY



26.3 t



12 m



90 kW



392 kWh

Li-Ion Battery

SENcon

824G

► **ELECTRO**

► **BATTERY**

Zero emission, flexible configu- ration!

Up to 7 hours working in battery mode

More than 60 t CO₂ savings per year

Work and charge at the same time

Technical details

- Operating weight: 26.3 t
- Reach: 12 m
- Engine rated power: 90 kW
- Battery capacity: max. 392 kWh
- Battery technology: Li-Ion Battery
- Charging power: 66 kW with 3 Onboard-Charger
- Full charge cycles: > 4.000
- Power connection: on the undercarriage with 63 A CEE plug (400 V / 50 Hz)

Battery capacity selectable:

- 98 kWh for 1 battery pack
- 196 kWh for 2 battery packs
- 294 kWh for 3 battery packs
- 392 kWh for 4 battery packs

Charging power selectable:

- 44 kW with 2 OBC (63 A CEE)
- 66 kW with 3 OBC (125 A CEE)

The concept

- Maximum flexibility thanks to modular battery design: 1, 2, 3 or 4 battery packs as required – individually configurable and upgradeable
- One battery pack delivers approx. 98 kWh – with 4 battery packs, up to 6-7 hours of operation are possible without recharging
- Flexible battery charging, even during work, due to charging point on the undercarriage

The environmental footprint

- The machine operates noticeably quieter and with less vibration than diesel-powered machines. People and nature are noticeably unburdened
- Enormously positive CO₂ footprint: > 60 tonnes of CO₂ saved per year assuming 2,000 operating hours
- Maintenance-free, reduced service-work, no need to supply fossil raw materials (diesel, engine oil)

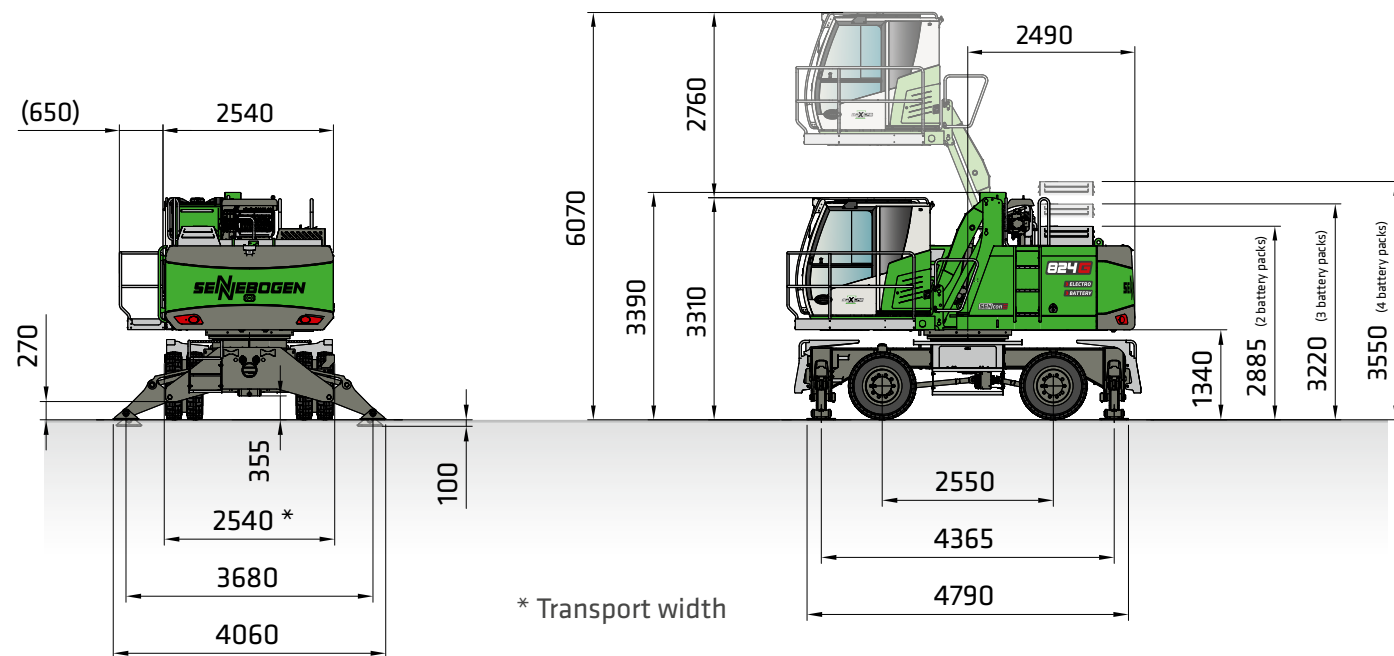
The profitability

- Plug & Play: No costly investments in charging stations, but conveniently use existing infrastructure
- Connection via standardized 63 A CEE / 125 A CEE plug to existing high voltage socket
- Work without interruptions: Flexible recharging of the battery during stationary activities

Highest safety

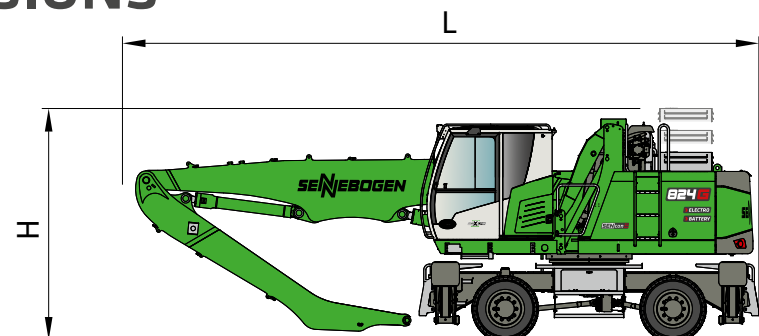
- No intervention in the high-voltage system necessary: The dual power management system detects the energy source (battery or mains power) and switches to the corresponding working mode automatically
- The fully encapsulated HV system can be fully monitored via the on-board diagnostics
- Long battery life: The temperature control of the battery cells always ensures the ideal cell temperature

DIMENSIONS



824 G ELECTRO BATTERY WITH MP21 UNDERCARRIAGE AND G280 MAXCAB, HYDRAULICALLY ELEVATING (SERIES), SOLID RUBBER TIRES 10.00-20 (8-PLY)

TRANSPORT DIMENSIONS



824 G ELECTRO BATTERY TRANSPORT DIMENSIONS MP21

	COMPACT BOOM	GRAB STICK	TRANSPORT LENGTH (L)	TRANSPORT HEIGHT (H) FOR 2 AND 3 BATTERY PACKS	TRANSPORT HEIGHT (H) FOR 4 BATTERY PACKS
K10	6.0 m	4.0 m	9.3 m	3.4 m	3.55 m
K10 ULM	6.0 m	4.3 m ULM	9.3 m	3.4 m	3.55 m
K11	6.5 m	4.5 m	9.7 m	3.4 m	3.55 m
K11 ULM	6.5 m	4.3 m ULM	9.7 m	3.4 m	3.55 m
K12	7.0 m	5.0 m	10.2 m	3.4 m	3.55 m

THE MOST IMPORTANT ADVANTAGES AT A GLANCE



Zero Emissions

The 824 G Electro Battery is impressive due to its zero-emission operation across the board. With 2,000 operating hours per year and the use of renewable energies, the machine saves over 60 tons of CO₂ per year. It is operated completely without fossil raw materials. This protects people and the environment – and your operating costs.



Long-lasting and economical

The certified high-voltage battery systems of the 824 G Electro Battery impress with a long service life of over 4,000 full charging cycles. Thanks to the integrated battery storage, peak loads are smoothed (peak shaving), reducing the power supply and saving electricity costs – for maximum efficiency and economy.



Use existing infrastructure

Thanks to the standardized 63 A / 125 A CEE plug, the machine can be connected directly to the existing power infrastructure. There is no need for costly investments in additional charging stations. With two or three on-board chargers at 22 kW each, charging capacities of up to 66 kW gross per hour are possible – allowing the machine to work around the clock with just one battery pack.



Unlimited in time

The modular battery design enables an operating time of up to 6–7 hours with four battery packs. The batteries can be upgraded and flexibly configured depending on the application profile. Optional power supply via the undercarriage allows uninterrupted operation while simultaneously recharging the batteries – for even longer operations without downtime.



Dual Power Management

When running on battery power, the machine's battery pack acts as the sole energy source – the machine works completely independently. Alternatively, simultaneous working and charging is possible for stationary jobs: the high-voltage connection on the undercarriage feeds energy into the system while the upper carriage and equipment continue to work without restriction. The excess power fed in automatically recharges the batteries.



This catalog describes machine models, the scope of equipment of individual models, and configuration options (standard equipment and optional equipment) of the machines delivered by SENNEBOGEN Maschinenfabrik GmbH. Machine illustrations may contain optional and supplementary equipment. Actual equipment may vary depending on the country to which the machines are delivered, especially in regard to standard and optional equipment. All product designations used may be trademarks of SENNEBOGEN Maschinenfabrik GmbH or other supplying companies, and any use by third parties for their own purposes may violate the rights of the owners.

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