



The Mobile Robot Company

Knowledge Center — Chargers and Accessories · 2026-08-04

<https://info.mobilerobot.com/products/j1600/chargers-and-accessories>

Chargers and Accessories

The J1600 supports two charging options: a manual plug-in charger and an [optional automatic charging station](https://info.mobilerobot.com/products/chargers-and-accessories/automatic-charger/) (<https://info.mobilerobot.com/products/chargers-and-accessories/automatic-charger/>). This page covers both, the battery figures behind them, and list prices.

Manual charging

[Manual charging](https://info.mobilerobot.com/products/chargers-and-accessories/manual-charger/) (<https://info.mobilerobot.com/products/chargers-and-accessories/manual-charger/>), works like charging a conventional electric pallet jack: plug in the charger during a break — before lunch, for example — or whenever the machine is idle.

Automatic charging

With the optional automatic charger, the robot drives to the station, positions itself in front of the charger, and a charging interface extends to the vehicle's charging plates. This enables **opportunity charging** (<https://info.mobilerobot.com/applications/scenarios/automatic-charging/>): the robot tops up whenever it is not busy, without operator involvement.

- Automatic charging is an advanced automation capability — see the capability ladder on [Dual mode](https://info.mobilerobot.com/products/j1600/dual-mode/) (<https://info.mobilerobot.com/products/j1600/dual-mode/>).
- When purchased with the [installation and commissioning package](https://info.mobilerobot.com/products/j1600/pricing-and-roi/) (<https://info.mobilerobot.com/products/j1600/pricing-and-roi/>), automatic-charging setup is part of installation Day 1.

Battery and rates

Parameter	Value
Battery	24 V, 200 Ah lithium iron phosphate (LiFePO4)
Charging rate	approximately 47 percentage points per hour
Drain while driving fully loaded	approximately 13% per hour
Drain while driving unloaded	approximately 12% per hour
Standby drain	approximately 2% per hour
Charging-current relay safety function	PL b

Runtime exceeds eight hours in a typical duty cycle; full battery detail is on [Dimensions and performance](https://info.mobilerobot.com/products/j1600/dimensions-and-performance/) (<https://info.mobilerobot.com/products/j1600/dimensions-and-performance/>).

2026 list pricing

Item	End-user list price
Manual charger	€3,600
Automatic charger	€8,400

CHARGER NOT INCLUDED IN THE BASE PRICE

A charger is not included in the J1600's €65,000 base purchase price. [Plan for one of the two chargers](https://info.mobilerobot.com/documentation/installation/charger-installation/) (<https://info.mobilerobot.com/documentation/installation/charger-installation/>) when configuring a purchase — see [Pricing and ROI](https://info.mobilerobot.com/products/j1600/pricing-and-roi/) (<https://info.mobilerobot.com/products/j1600/pricing-and-roi/>) for typical configurations.

Related pages

- [Dimensions and performance](https://info.mobilerobot.com/products/j1600/dimensions-and-performance/) (<https://info.mobilerobot.com/products/j1600/dimensions-and-performance/>) — battery and power data.

- [Software and integrations](https://info.mobilerobot.com/products/j1600/software-and-integrations/) (https://info.mobilerobot.com/products/j1600/software-and-integrations/) — the advanced automation functions that include automatic charging.
- [Safety overview](https://info.mobilerobot.com/products/j1600/safety-overview/) (https://info.mobilerobot.com/products/j1600/safety-overview/) — Performance Levels including the charging-current relay.