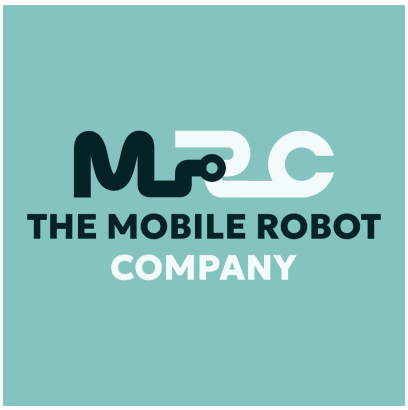

The Mobile Robot Company

Knowledge Center — Manual Charger · 2026-08-04

https://info.mobilerobot.com/products/chargers-and-accessories/manual-charger

Manual Charger

The manual charger is the simplest way to charge the J1600 (https://info.mobilerobot.com/products/j1600/overview/). It works the way electric-pallet-jack users already expect: plug the charger in during a break or whenever the machine is idle.

How it works

Charging is a plug-in operation performed by the operator — for example before lunch or at the end of a shift. No docking station, floor marking, or software function is involved.

Battery and charging figures

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 without load	approximately 12% per hour
Standby drain	approximately 2% per hour

Runtime (https://info.mobilerobot.com/documentation/technical-reference/battery-specifications/) exceeds eight hours in a typical duty cycle, so a single-shift operation can usually charge outside working hours or during natural breaks.

Price

Item	2026 end-user list price
Manual charger	€3,600

Chargers are priced separately from the robot. See Available options (https://info.mobilerobot.com/products/chargers-and-accessories/available-options/) for the full options catalog and Compatibility (https://info.mobilerobot.com/products/chargers-and-accessories/compatibility/) for charger and load-carrier compatibility.

When to choose manual charging

Manual charging suits single-robot, single-shift deployments where the robot has predictable idle time. Operations that want the robot to top up on its own between tasks should consider the automatic charger (https://info.mobilerobot.com/products/chargers-and-accessories/automatic-charger/), which enables opportunity charging without operator involvement.