

ezW160M+

The ez-Wheel Series 160 **ezW160M+** autonomous wheels are suitable for:

- Catering trolleys
- Transfer chairs and beds
- Rolling equipment for hospitals
- ...

All the components necessary for traction are built into the wheel: an electric gear motor, high energy and long life batteries, a power controller ensuring optimum motor control and battery management and a control interface.

Motor	
Technology	BLDC PM
Gearbox	2-stage helical
Indicative lifespan*	2000 h / 5000 km 600 000 starts/stops
Nominal speed	167 rpm (5 km/h)
Nominal power	130 W (S1)
Peak torque	22 Nm

Battery	
Electrochemistry	Ni-MH
Energy	70 Wh (1 battery) 140 Wh (2 batteries)
Indicative lifespan*	2-3 years
Recharge mode	Charger External power
Minimum charging time*	1.5 hour (to 90%)

Interface	
Wired	Analog Serial
Wireless	no

The wheel can be used inside or outside, over a wide range of temperatures. The components – including the battery – do not need any inspection or maintenance over the product's whole lifespan.

Conditions of use	
Temperature	-10 to +40 °C
IP index	IP66
Maintenance period*	2 years



Diameter	158 mm
Type of Tyre	PU 70 sh.A Flat profile
Speed range (traction)	0 to 5 km/h
Peak pushing effort	27 daN Moves 750 kg
Nominal performance	9 daN at 5 km/h
Maximum rolling speed	8 km/h
Battery capacity	0 - 70 - 140 Wh
Options	

The robust assembly can withstand the stresses of knocks and severe vibration.

The wheel is designed to be installed as a fifth wheel with a suspension.

Weight	
Wheel weight	6 kg
Maximum load	50 kg up to 5km/h

ez-Wheel products are guaranteed 1 year from the date of purchase and 2 years against production defects. Consult the general conditions of sale for more information.

All values are subject to changes without prior notice. *: Values for reference, based on standard condition testing, may vary with different application cases.

