

DATA SHEET

EZ- Wheel ezW160M

ezW160M Medical Kit

ez-Wheel ezW160M provides electric assistance to:
Medical beds
Service trolleys (laundry, food...)
Operating tables

Immediate fitting

The self-propelled ez-Wheel can be fitted immediately on any vehicle chassis or mobile equipment. The wheel is self-powered by the built-in battery and driven by wired or wireless communication.

Diameter

160 mm

Type of tyre

60 sh. A solid tyre
Flat profile

Speed

0 to 5 km/h

Nominal Power

70 W (S1 at 4 km/h)

Battery capacity

70 Wh (1 battery)
140 Wh (2 batteries)

Torque peak

17 Nm
20 daN of pushing force

Options

0/1/2 batteries – Brake -
Wireless command



Reduced space requirement

The series 160 integrate motor and batteries in an extremely compact format. The wheel is designed with reduced height to fit any low chassis. The robust hub fairing protects all components from knocks and splashing.

Reduced pushing effort

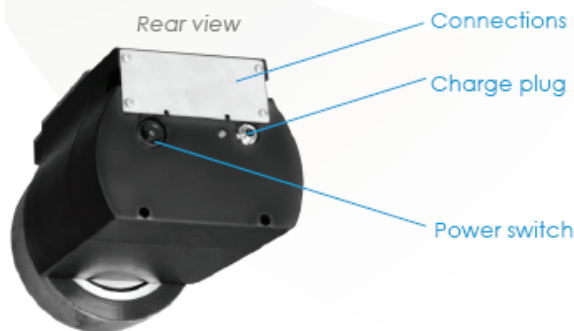
The peak torque of the electric motor develops a pushing force of 20 daN. It provides a reduced effort and a safe action of any rolling material equipped with the wheel.

Extended compatibility

The series 160 are available with wire connections or with external batteries to allow junctions to other electrical peripherals. The motor can also be powered by an external battery, if already available on the material.

Environmentally responsible

The approach to ez-Wheel product design is to minimize environmental impact. Collection and recycling are organized for products reaching the end of their lifecycle. Contact your dealer for more information.



Warequip

1 Paramount Road, Footscray West
Victoria, 3012, Australia

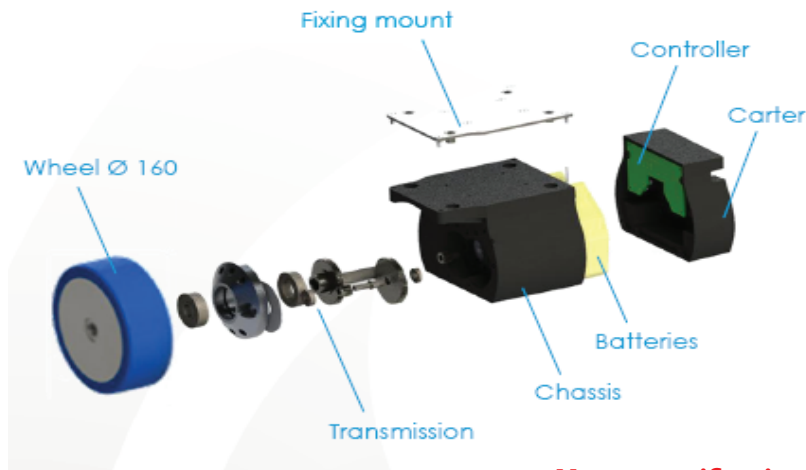
Phone: 1800 337 711 Fax: (03) 9314 6300

www.warequip.com.au sales@warequip.com.au



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EZ- ezW160M



High-Tech built-in solution

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

Multi-purpose

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.

The casing enables the wheel to bear a load of up to 200 kg. The robust assembly can withstand the stresses of knocks and severe vibration.

Warranty

ez-Wheel products are guaranteed 1 year from the date of purchase. Consult the general conditions of sale for more information.

Standard

The standardized dimensions and mechanical interface make it simple and quick to fit the product. The integrated mount is fixed to the chassis with 4 bolts, just like a simple caster. The wheel hub is fitted with a solid, 15 mm thick polyurethane tyre 60 shore A for drive wheels. The solid tyre does not require any maintenance or servicing and does not need to be replaced.

Motor specification

Technology	DC PM
Maximum speed	160 rpm
Nominal power	70 W (S1 at 130 rpm)
Peak torque	17 Nm

Battery

Electrochemistry	Ni-MH
Energy	0 / 70 / 140 Wh
Lifespan	2 years
Recharge	Charger
Recharging time	2 hours (for 90%)

Interface

Wired	Analogic
Wireless	2.4 GHz
	Based on IEEE 802.15.4

Conditions of use

Temperature	-20 to +60°C
IP index	IP67

Weight

Total weight wheel	11 kg
Maximum load	200 kg

Functional dimensions

Wheel diameter	160 mm
Thickness of solid tyre	15 mm
Width of solid tyre	55 mm
Total height	174 mm
Total width	172 mm
Total length	230,60 mm
Ground clearance	34 mm

