



EMPULSE R20
ULTRA LIGHTWEIGHT FOLDING POWERPACK

INTRODUCING THE EMPULSE R20

ULTRA LIGHTWEIGHT
FOLDING POWERPACK







KEY FEATURES



LIGHTWEIGHT

At just 4.5kg the R20 is one of the lightest powerpacks on the market

EASY TO USE AND MOUNT

The R20 provides easy operation as well as quick and easy mounting

STORAGE

The only powerpack on the market that can be folded while still connected to the wheelchair

PERFORMANCE

There is no compromise on performance as the R20 achieves a 9 mile range, it can climb 5cm kerbs and 10 degree slopes, up to a max user weight of 170kg

RELIABLE

A solid, long lasting tyre and lithium ion battery promise a quality and reliable product. Coupled with a 2 year warranty on batteries and a 3 year warranty on the motor

MODERN

A modern and sleek product with a compact design

UNIVERSAL

The R20 will fit to nearly all box frame wheelchairs with a 22-28mm tube diameter

LIGHTWEIGHT JUST 4.5KG

The R20 is one of the **lightest powerpacks on the market**, with a total carry weight of **just 4.5kg**, it is less than half the weight of other powerpacks currently available.

This includes 3kg for the motor and a 1.4kg lithium-ion battery which can be disconnected and transported separately.

This means that the R20 is **easy to carry, store and transport** for all users.





JAY
Patic

SOMATEC
MEDICAL

Empulse R20

EASY TO MOUNT

Thanks to the **intuitive, easy to grip** two peg design, it couldn't be easier to mount and dismount the powerpack.

The Ultra lightweight motor helps this further and makes mounting the R20 **light and easy**.





The easy to use control system has **one push button to go**, as well as an easy to read display showing the speed and battery gauges.

A **height adjustable handle** allows the user to achieve the most comfortable position when operating the device.

EASY TO USE



STORAGE

UNIQUE FOLDING

The R20 is the **only powerpack on the market that can be folded** with the wheelchair.

This unique feature means you no longer have to connect and disconnect each time you transport or store the wheelchair.

The powerpack can be left on the chair so it's **ready to go at a moments notice** and the 4.5kg total carry weight allows the chair to be **lifted while the R20 is still attached.**









PERFORMANCE NO COMPROMISE

Despite its lightweight nature and compact appearance, there is **no compromise** on performance.

The R20 can achieve up to a **9 mile range**, as well as having the ability to climb **5cm kerbs** and **10 degree slopes**.

It will also cater for users up to **170kg in weight** (190kg total including the wheelchair) meaning the R20 is a product that works for all.





MODERN AESTHETICS



The **compact, lightweight design** together with **matt black** colouring on the motor and connectors gives the R20 a **sleek and modern look**.

When mounted to the wheelchair, the powerpack doesn't obstruct the user and it's subtle size keeps all the attention on the client.





RELIABILITY LONG WARRANTY



The R20 contains **250w brushless motors** that don't wear over time versus traditional brushed versions, as well as a powerful, robust and **long lasting tyre** and a **lithium ion battery ensuring a durable and reliable product**. This is reinforced with an extended **2 year warranty on the battery** and **3 years on the motor**.

UNIVERSAL FITTING

The simple, easy to use mounting system means that **the R20 can be fitted to almost any manual, box-frame wheelchair** as long as the tube diameter is between 22-28mm.

From active chairs such as the Life and Basix, to tilt-in-space chairs like the Breezy IBIS, the R20 can be mounted with ease.





TECHNICAL DATA

EMPULSE R20 PUSH DEVICE

Weight:	3 kg	Total transport weight:	Max. 4.5 kg
Motor:	250 W, 36 V / 15 A, brushless motor with gearing	Estimated range:	15 km
Motor brake:	None, no rearward drive	Max. speed:	5 km/h (adjustable in 3 steps)
Battery:	Lithium ion 5.8 Ah	Max. slope:	18 % (10°)
Charging time:	4.5 - 5 h	Max user weight / load:	170 kg / 190 kg
Weight battery:	1.4 kg	Warranty:	2 year Battery, 3 year motor



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