

SDMotionAssist^{PLUS} COMBINATIONS

WHEEL SIZE 22" or 24"	MAXIMUM SPEED 6KM / H	BATTERY NICKEL-METAL HYDRIDE / LITHIUM
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SDMotionAssist^{PLUS} TECHNICAL SPECIFICATIONS

DRIVE SYSTEM	DIRECT REAR-WHEEL DRIVE
WEIGHT	14KG (WITHOUT BATTERY)
STEERING	LEFT AND RIGHT HAND RIM STEERING
DRIVING WHEEL DIAMETER	22" or 24"
INSTALLATION SYSTEM	DETACHABLE
MOTOR	30 MINUTES RATED OUTPUT: 24V, 110W X2
MANUAL / ELECTRIC MODE	SWITCHED BY HAND
TRAVEL SPEED	MAX 6KM / H FORWARD AND REVERSE
MAXIMUM USER WEIGHT	130KG
BATTERY	NICKEL-METAL HYDRIDE: WEIGHT: 2.9KG, 24V X 6.7AH LI-ION: WEIGHT: 3.6KG, 25V 11.8 AH
BATTERY CHARGER	POWER SUPPLY: AC100V TO 240V, 50/60HZ CHARGING SYSTEM: FULLY AUTOMATIC CHARGING CHARGING TIME: APPROX 2 TO 3 HOURS
ELECTRIC POWER RANGE*	NICKEL-METAL HYDRIDE BATTERY: 18KM / 11.1 MILES LI-ION BATTERY: 30KM / 18.6 MILES

*BASED ON 24" WHEELS, CONTINUOUS 5KM / H SPEED ON A FLAT SURFACE, WITH FULLY CHARGED NEW BATTERY, USER WEIGHT 75KG.

SDMotionAssist^{PLUS} COMPONENTS (WITH NIMH BATTERY)



OPTIONAL LI-ION BATTERY



N.B. The actual products may differ in part from the pictures and/or description due to the possible specification changes for product improvement. Due to the colour reproducing limitation of printing, the product colours in this brochure may appear slightly different from actual colours.

PRODUCT SAFETY PRECAUTIONS

- Please read the instruction manual carefully
- Practice in a spacious and safe area until you have enough confidence to operate the product
- Never use mobile phones or transceivers while in operation. If you must use these devices, park the wheelchair in a safe place and turn off the power switch
- Adhere to the safety labels indicating "Danger", "Warning" and "Caution" attached to the product to assure the safety applications



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SDMotionAssist^{PLUS}

Two speed assistive power for your manual wheelchair



Why struggle? Make propelling your manual wheelchair easy!

Wherever you are, the **SDMotionAssist^{PLUS}** delivers the freedom of easier movement, leaving you with more energy for things you enjoy!

Each push on the hand rim is detected by electronic sensors and converted to just the right level of power assistance from the motors. Coupled with its lightweight, compact design, which can be fitted to a wide range of manual chairs and its long distance range, the **SDMotionAssist^{PLUS}** offers you a practical and flexible solution for maximum independence. Now with two speeds, even slopes can be managed without having to ask for help!



- Range 18km / 11.1 miles (with NiMh battery)
- Range 30km / 18.6 miles (with Li-ion battery)
- System weight with NiMh battery approx 18.5kg (excluding wheelchair)
- System weight with Li-ion battery approx 19.2kg (excluding wheelchair)
- Weight without battery approx 14kg



For more information or to arrange a **FREE** no obligation home demonstration call us now!

01442 212918



Programmable to Suit Customer's Needs

- Dealer can program system to suit individual's strengths
- Delivers the power required to suit the individual



Wheel Hub Motor

- Brushless motors
- Highly efficient, developed to be compatible with a wide range of wheelchairs
- Built-in braking function controls the wheelchair speed safely and effectively down slopes



Battery Pack

- Battery pack – small and compact with a range of up to 33km
- Choice of Ni-Mh or Li-ion batteries
- Carry handles make removing for charging or transporting easy
- Better battery efficiency for more miles



Quick Release Wheels

- Quick release catches ensure the wheels can be simply removed for transporting



Anti Tippers

- Prevents possible backward tipping and can be retracted when not required



Left and Right Switches

- On/off switch - for easy switching between manual and powered status
- Mode switch – choice of power/effort