Manafeth
Mobility Solutions



Smart Electric Wheelchair Ultra

The first leisure-mode power wheelchair, Ultra Smart Wheelchair, is now at Manafeth Mobility Solutions. Our ultra-lightweight power wheelchair has a sleek design that folds quickly to a compact size, making it ideal for everyday use. Our airline-safe electric wheelchair ensures smooth, safe movement in tight spaces.

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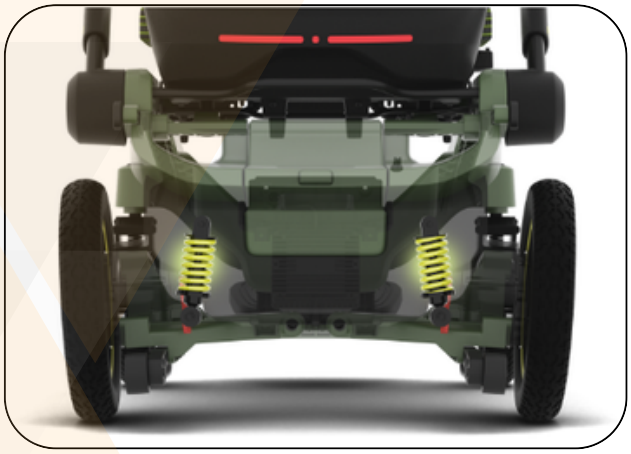
Images













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Details



R1 ULTRA

CONFIGURATION

Size(mm)(headrest excluded)	1050×650×1022	Climbing Height(mm)	30
Folded Size(mm)	830×650×450	Crossing Width(mm)	100
Rated Power	220W×2	Maximum Load(kg)	136
Top Speed(km/h)	8	Storage Method	Foldable & Detachable
Battery Capacity	10Ah	Front Wheels	8" Airless Hollow Tires
Range(km)*	20Km	Rear Wheels	12.5" Airless Hollow Tires
Gradeability	10°	Charging Time(h)(0~90%)	6-8
Turning Radius(mm)	930	USB Port	Yes

*The current range data is based on a load of 100kg, for range data under heavier loads, please refer to the actual performance.

COMFORT

COMFORT

MOVEABLE ERGONOMIC WHEELCHAIR

With ergonomic insight, ROVEE R1 features an S-curve profile provides head-to-toe support for lasting comfort.

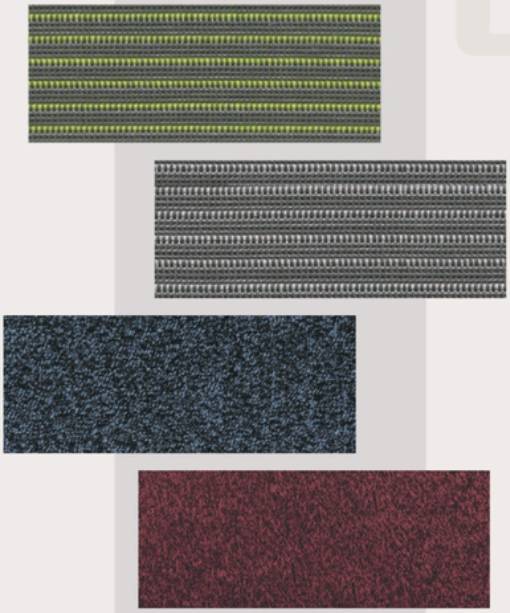
Multi-directional support and synchronized Seat-Back Mechanism from 98° to 128° Gravity self-balancing, enhancing safety.



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Details

COMFORT

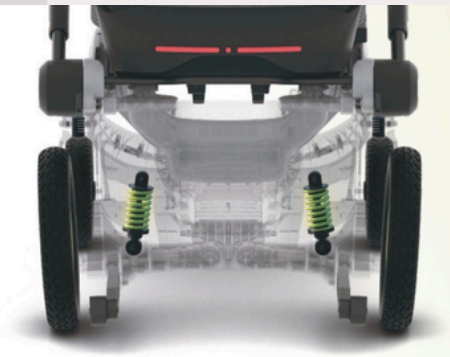


PREMIUM MATERIAL SELECTION

01 ROVEE R1 uses premium materials that balance softness, support, breathability, and style.

02 A breathable woven mesh backrest combined with high-resilience foam cushioning provides both comfort and reliable support, ensuring airflow and all-day seating comfort with multiple color options.

STABLE



Independent Suspension Technology

Front shock absorber spring +

Rear shock absorber system

AUTOMOTIVE-GRADE SUSPENSION ARCHITECTURE

Designed by an automotive engineering team, ROVEE R1 features a one-piece die-cast magnesium alloy frame and a low-center-of-gravity chassis at all four corners, combined with dual front/rear shock absorbers. This robust suspension absorbs road vibrations, providing a smooth, stable ride while protecting spinal health.



One-Piece Die-Cast Frame

Maximum Load 136kg

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Smooth ride on any terrain:

Pavers,

Gravel,

Sand

Asphalt road.



SAFETY



SAFETY

INTELLIGENT TECHNOLOGY, PRE- EMPTIVERISK DETECTION

- Rovee R1 combines an electromagnetic braking system with intelligent algorithms for responsive start-stop control, stable hill stops, and automatic speed adjustment, reducing rollback and tip-over risks.
- Smart safety locks and anti-theft features prevent accidental operation and unauthorized movement.
- Additional protections include quick-release straps, anti-tip wheels, puncture-resistant tires, and a 3-in-1 lighting system with reflective strips for all-round safety.

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SAFETY

PRECISE CONTROL EFFORTLESS DRIVING

- 360 ° precise control with 7-level smooth speed adjustment enables low-radius turning – perfect even in tight spaces like elevators.
- Powered by dual 220W brushless motors: high efficiency, long lifespan, maintenance-free, energy-saving, eco-friendly, and extremely quiet.
- Advanced FOC technology delivers fast response, smooth and linear acceleration, for a refined and effortless ride.



BATTERY

LG BRAND BATTERY CELLS SAFE & STABLE & RELIABLE

High-efficiency LG lithium cells ensure safe operation, delivering up to 20km range.

Battery cell certifications include:
CB, UN38.3, Air/Sea/Road Transport Certification, SDS Report, UL1642, UL2580, and multiple other certifications on battery safety and reliability.

SIZE
261.5 × 194 × 174mm

RANGE
20km

WEIGHT
2.3

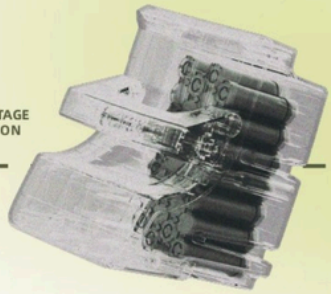
BATTERY CAPACITY
10Ah

VOLTAGE
24V

ENERGY
240Wh

IP PATING
IPX4

CHARGING TIME (0 ~ 90%)
4 ~ 6h (10Ah)



OVERCURRENT PROTECTION
OVER-TEMPERATURE PROTECTION
UNDER-VOLTAGE PROTECTION
OVER-VOLTAGE PROTECTION
LOW-TEMPERATURE PROTECTION
CELL VOLTAGE IMBALANCE PROTECTION
ACTIVE CELL VOLTAGE BALANCING

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FLEXIBLE

FLEXIBLE

FLEXIBLE TO GO WITH YOU. FREEDOM TO MOVE YOUR WAY

ROVEE R1 is the first electric wheelchair to combine quick-release and folding functions. It separates into three parts–the seat, chassis, and battery–with the seat usable independently. When folded, it becomes compact enough for car trunks, planes, and train compartments, ideal for travel and daily use.

EXPANSIVE

EXPANSIV

SMARTPHONE HOLDER
Flexible smartphone holder on the armrest, compatible with all smartphones, easy to adjust and secure.

ARMREST BAG
Magnetic side bag follows the armrest contour, easy to install, stable, and keeps essentials within reach.



BACKPACK
Curved backrest storage fits seamlessly, increasing capacity without affecting design.

PREMIUM ADD-ONS ONE-CLICK UPGRADE FOR ENHANCED EXPERIENCE.

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Specifications

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Certifications & Awards

CERTIFICATIONS OBTAINED

CE CB UN38.3

EMC SDS Safety Data Sheet International Organization for Standardization ISO 13485 Quality Management System

AWARDS RECEIVED

IDA DESIGN AWARDS