

# ***UNITREE B2-W***

GO FURTHER WITH  
HIGHER EFFICIENCY

Pioneer Technology Leading the Intelligent Future



## Superior Endurance High Efficiency



**50** km

Max Endurance  
with 40kg Load

**20** km/h

Max  
Speed

**100** kg

Max Horizontal  
Pulling Force

**50** N.m

Max Wheel  
Torque

**57** rad/s

Max Wheel  
Speed

**225** mm

Wheel  
Diameter

## Flexible Moving over All Terrains



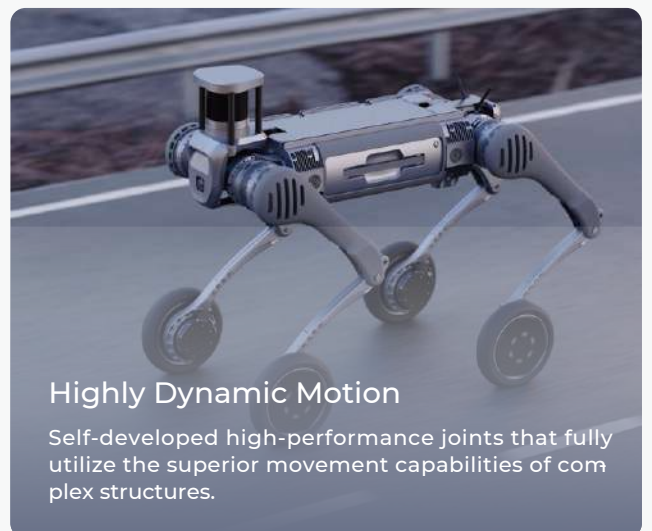
### Crossing Grass, Stone, and Gravel Paths

Stabilizes walking on rough surfaces through the rapid and synergistic response of multiple leg joints.



### Traveling On Stairs, Slopes, and Barricades

Combines perceptual and motor control to maintain balance and cope with a variety of different discrete terrains.



### Highly Dynamic Motion

Self-developed high-performance joints that fully utilize the superior movement capabilities of complex structures.



## Parameter

Size(Standing)	≈1098mm×550mm×758mm
Size(Lying Prone)	≈950mm×550mm×450mm
Weight	≈75kg(Total weight battery included)
Battery Capacity	>2kwh, voltage 58V
Endurance Ability	Max endurance of 50km with 40kg load [1]
Max Horizontal Pulling Force	20km/h [2]
Max Trench Crossing Distance	100kg [3]
Ditch Jumping Width	≈ 2m
Max Load(Standing)	120kg
Load(Walking)	> 40kg
Wheel Diameter	225mm
Max Wheel Speed	57rad/s
Max Wheel Torque	50N.m
Continuous Stair Climbing	Stairs of 20~25cm
Operating Temperature	-20℃ ~ 55℃
Climbing Angle	> 45°
Ingress Protection	IP67
Control & Perception	Standard: Intel Core i5(Platform Function) ,Intel Core i7(User Development) Optional: Intel Core i7 and Jetson Orin NX (Maximum up to 3 devices)

\*[1]、[2]: realized in special configurations, in practice there is a speed limit for security purposes.

\*[3] Measured with ideal friction on the ground and no skidding of the wheel.

\*Part of the function requires human operation or secondary development to realize, different configurations vary.

\*The above parameters may vary in different application scenarios and different configurations, please refer to the actual situation.

\*This product is a civilian robot.We kindly request that all users refrain from making any dangerous modifications or using the robot in a hazardous manner.



TO PROMOTE THE WORLD WITH SCIENCE AND TECHNOLOGY

## Unitree Robotics

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Please visit Unitree Robotics Website for more related terms and policies,  
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