

Hypershell X

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Brand Introduction

Hypershell started in 2018 when the core members discovered extraordinary possibilities in simulation research on the interaction of exoskeletons and human bodies.

Hypershell is committed to continuously promoting human progress. Since our establishment in 2021, we have been innovating technologies and products in the field of exoskeleton to reshape people's lifestyles and enable technology to empower life.




Hypershell

Born For Adventure
Ultra-powerful Motors

M-One Motors

1 Horsepower Output



Up to
32 N-M
Torque

Max
20 km/h
Assist Speed

Max
30 kg
Weight Offset

Max
10 kg
Horizontal Push

Max
800 W
Output Power

Max
30 %
Physical Exertion Reduction

Ultra-smart Algorithm

AI-based motionEngine
Recognizes and foreknows your next move.

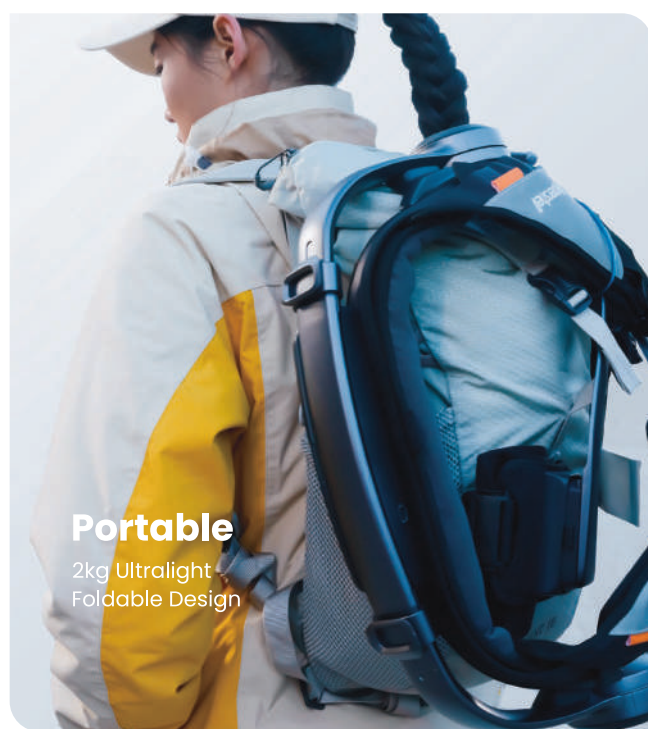


10 Postures Adaptive Copilot

- Walk
- Race Walk
- Gravel Road
- Cycle
- Up Hills
- Down Hills
- Run
- Up Stairs
- Down Stairs
- Mountaineer



Product Name	Hypershell Go X	Hypershell Pro X	Hypershell Carbon X
Model	HGX-400W-NYL	HPX-800W-NYL	HCX-800W-GTX
Dimensions Folded	430*260*125mm	430*260*125mm	430*260*125mm
Net Weight (Without Battery)	2 kg	2 kg	1.8 kg
Max Output	400W	800W	800W
Range ^[1]	15km	17.5km	17.5km
Physical Exertion Reduction ^[2]	Max. 20%	Max. 30%	Max. 30%
Max Speed Assistance	7.5 mph/12km/h	12.4 mph/20 km/h	12.4 mph/20 km/h
Motion Postures Recognition	6	10	10
AI Engine	MotionEngine LIT	MotionEngine	MotionEngine
Material	Nylon	Nylon	GORE-TEX & Carbon Fiber
Operating Temperature	-10°C - 60°C/14°F-140°F	-20°C - 60°C/-4°F-140°F	-20°C - 60°C/-4°F-140°F
Charging Temperature	0°C - 40°C/32°F-104°F	0°C - 40°C/32°F-104°F	0°C - 40°C/32°F-104°F
Protection Level	IP54	IP54	IP54
Charging Time	88 mins with 65W Charge Adapter and standard Type-C Fast Charge Cable, support third party Type-C Charge Adapter not exceeding 100W		



Optional Add-ons



Outdoor Protection

IP54 Class
Waterproof And Dustproof

One-button Operation

10 Million
Fatigue Life

Light Indicators

Triple Battery Level Safety Protection

Long Term Comfortability

Hypershell APP

Multi-parameter data insights
Real-time control

Download on the App Store Get it on Google Play

Long Usage Time

High-polymer Intelligent Battery Battery Management System (BMS)

17.5 km
Battery Range

88 mins
Fast Charge

Up to **-20 °C**
Anti-Cold Temperature Operation

Ultra-free Movement

Innovative Ergonomic Design

300 Degrees
Of Leg Movement

[1] Calculated in 3km/h walking speed, 7Nm in Hypershell Test Environment.
[2] This data is calculated based on body metabolic consumption of 90kg adults on a slope point over 15°. This result is at test environment and will vary depending on real applications.