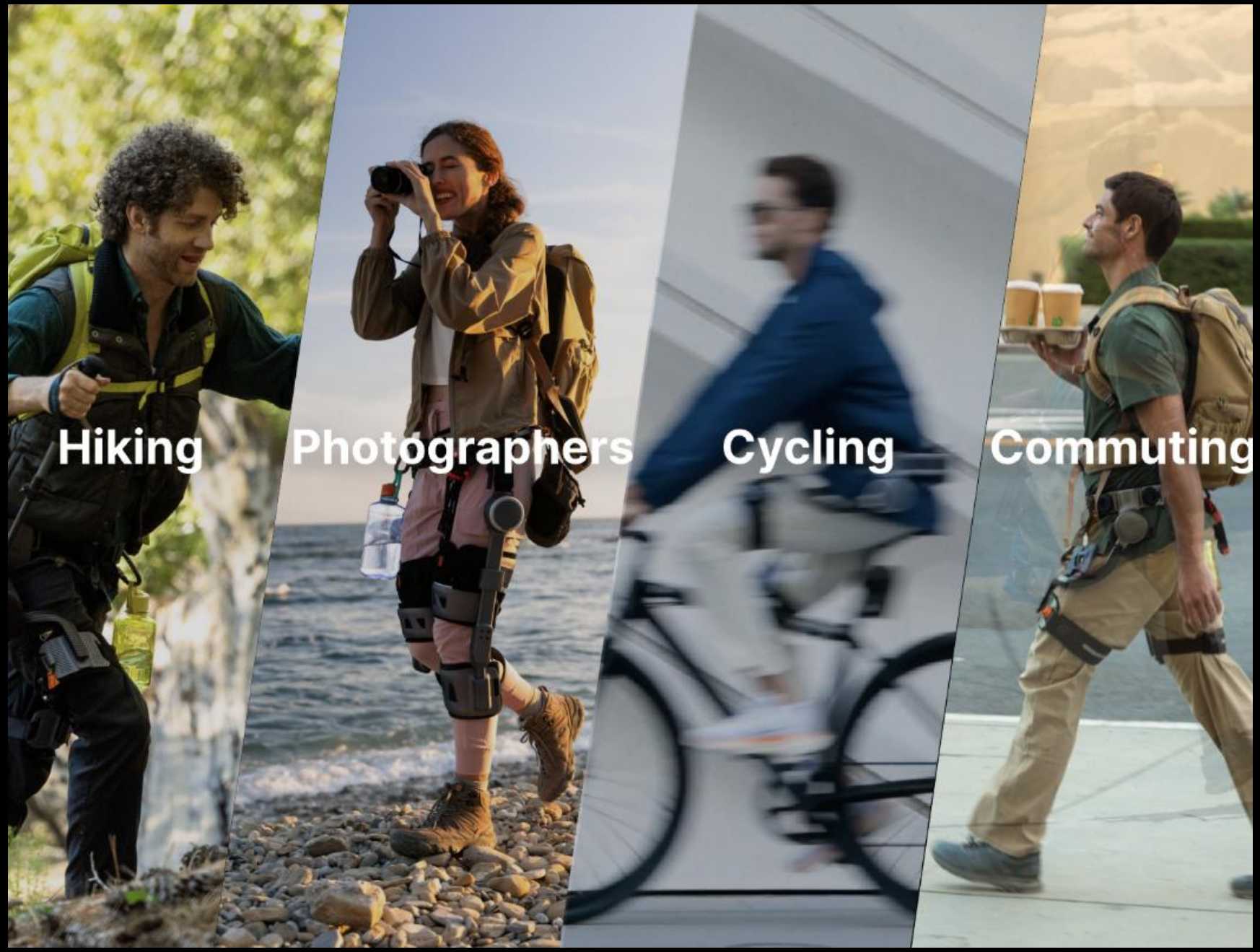
Ascentiz Modular Exoskeleton

The World's First Modular Exoskeleton



Modular Design 2 in 1


Hunting
Nature Watching
Training
Climbing


Hiking
Photographers
Cycling
Commuting

Up to

1.2 Hp · 900W

Peak Boost

Powered Support for Up to

10 Hours



3× Faster Response up to

50,000Hz

H powers your hips

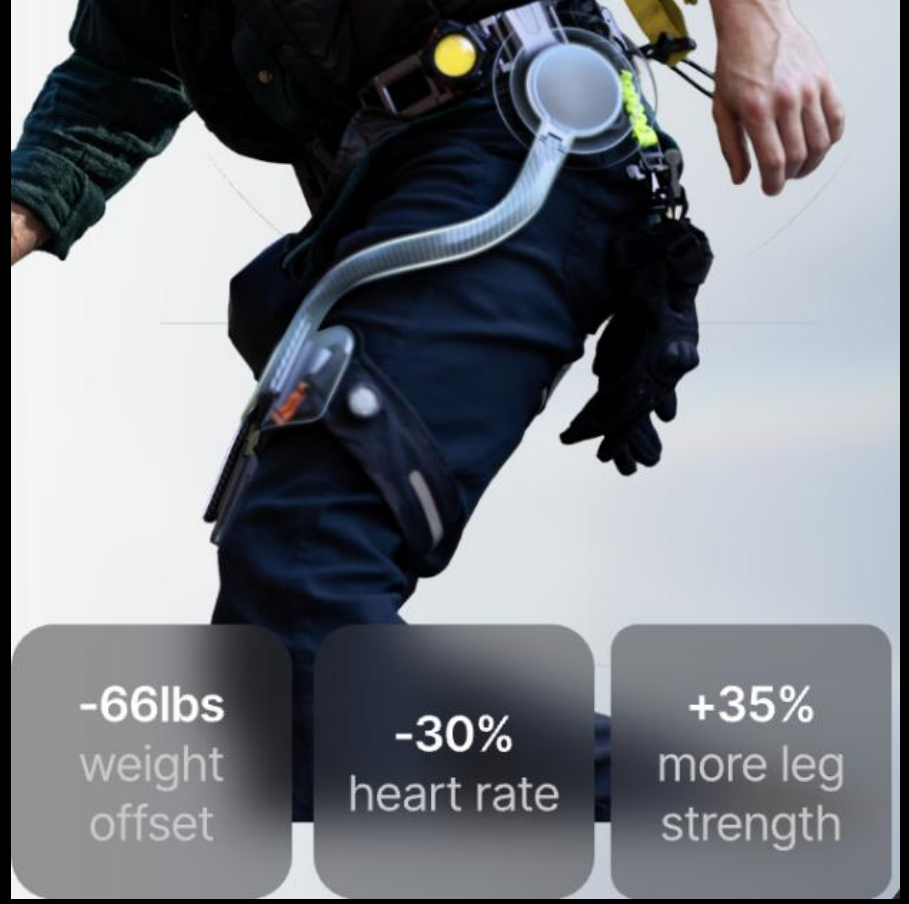


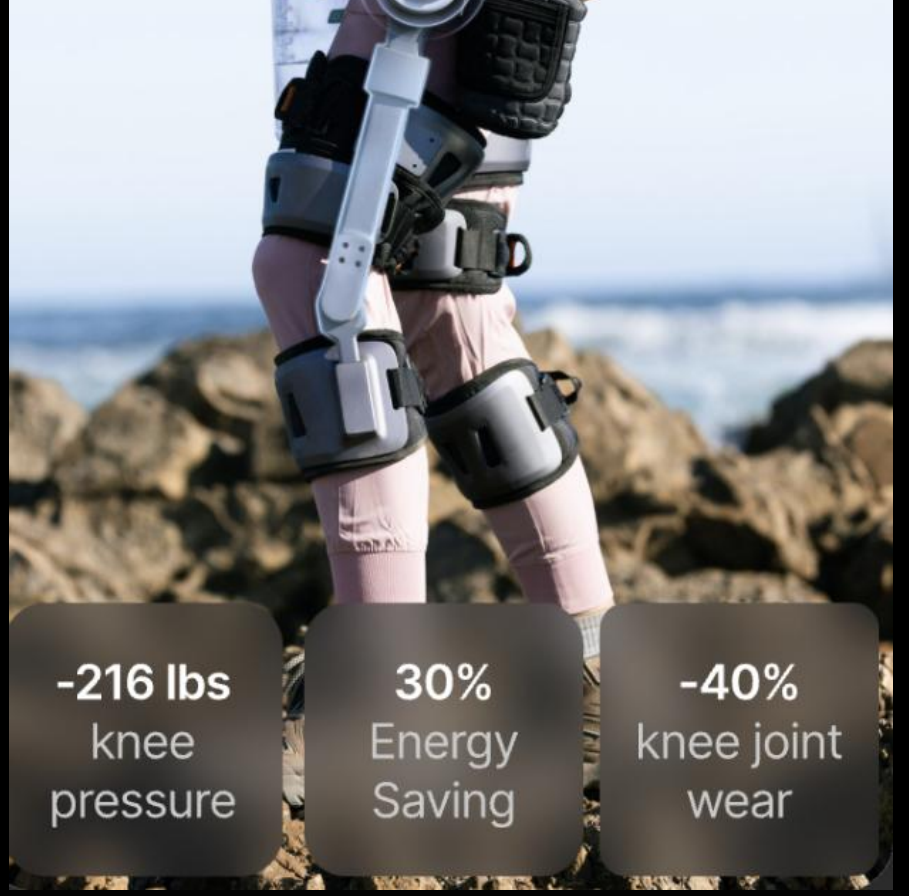
- Daily Urban Walking
- City Running And Jogging
- Trail Running
- Steep Uphill Climbs
- Fast-paced Hiking

K supports your knees



- Long-distance Trekking
- Multi-day Hiking Trips
- Mountain Climbing
- Carrying Heavy Backpacks
- Extended Outdoor Expeditions





- Daily Urban Walking
- Trail Running
- City Running And Jogging
- Steep Uphill Climbs
- Fast-paced Hiking
- ...

- Long-distance Trekking
- Multi-day Hiking Trips
- Mountain Climbing
- Extended Outdoor Expeditions
- Carrying Heavy Backpacks
- ...

31 miles
Battery range

100 W
Fast Charging

2000
Times Lifecycle

The Ascentiz Power

The motor system combines impressive power with a compact design.



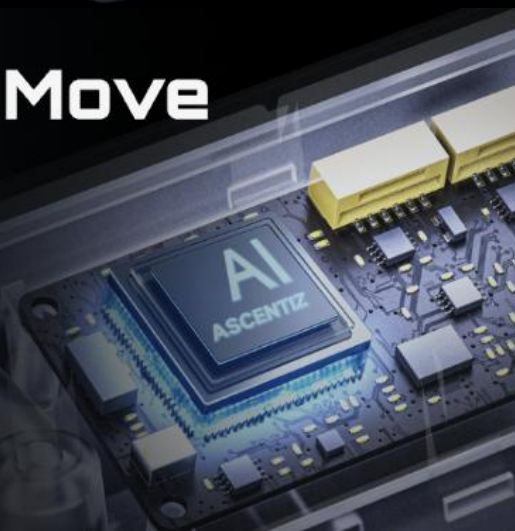
A Battery Built to Endure

Go further with Ascentiz Intelligent Battery—up to 31 miles range in dual-battery mode.



Adapts to Your Every Move

The AI MotionEngine senses your intentions and delivers precise, automatic assistance as you move.





2 IN 1
Modular Design

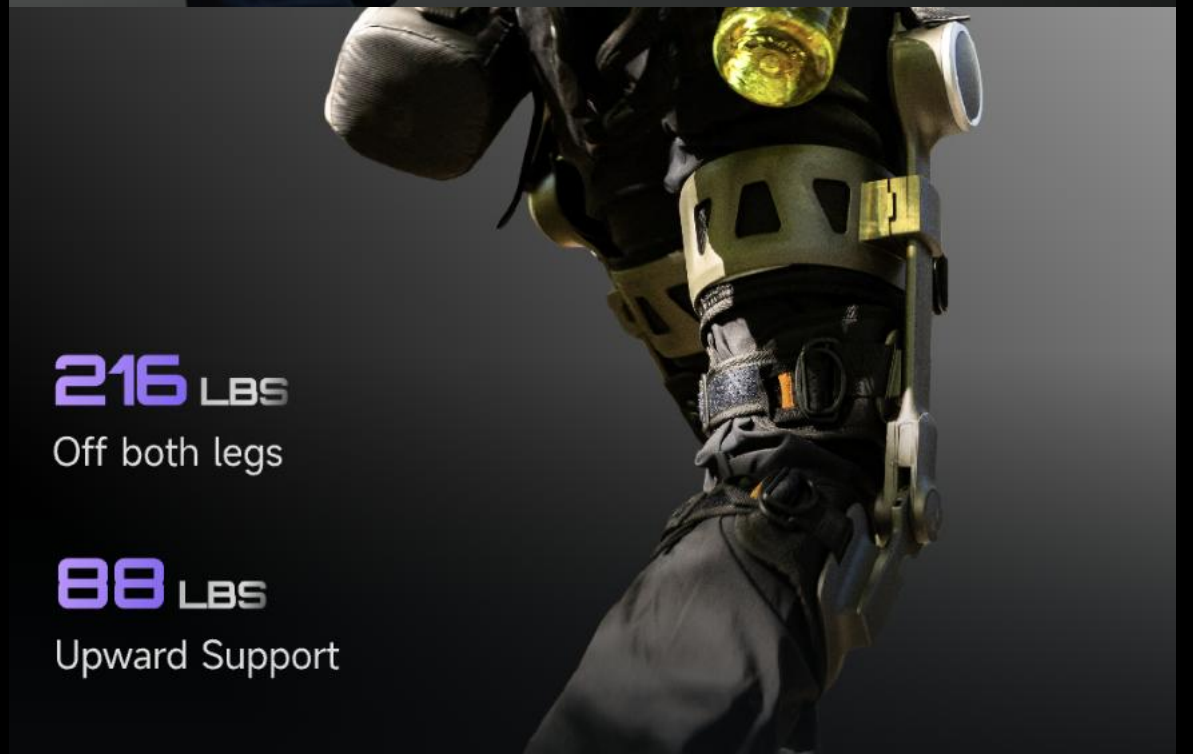


66 LBS
Weight Offset

17.4 MPH
Max Assist Speed



1.2 HP 900 W
Peak Boost



216 LBS
Off both legs

88 LBS
Upward Support



Capacity
24 V | 77.7 Wh

Endurance
Up to 31 miles with dual batteries
10 hours of assistance

Fast Charge
100 W, full in 65 min





Long-Lasting

31 miles Battery Range
Dual Batteries

Category	Ascentiz (H)	Ascentiz (K)
Net Weight (without battery)	3.9lbs	4.4lbs
Folded Dimensions	320 × 250 × 80 mm	380 × 140 × 50 mm
Wearing Time	5 s	8 s
Peak Torque	36 Nm	48 Nm
Max Range	25 miles (dual battery)	31 miles (dual battery)
Max Assist Climb Speed (ACC)	17.4 mph	4.5 mph

Ascentiz K Pro



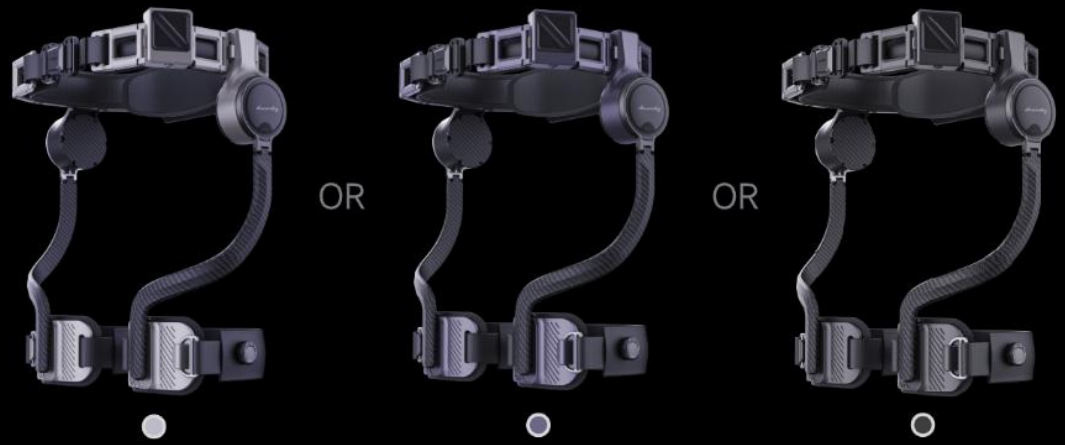
900 W (1.2 Hp) Motor	**10+** AI	**4.4 Lbs** Weight	**15.5 Miles** Range
240 MHz Processor	**512 MB** Memory	**Open-source base design**	**Aluminium Alloy**

Ascentiz H Pro



900 W (1.2 Hp) Motor	**10+** AI	**4.4 Lbs** Weight	**15.5 Miles** Range
240 MHz Processor	**512 MB** Memory	**Open-source base design**	**Aluminium Alloy**

Ascentiz H Ultra



900 W (1.2 Hp) Motor	Response time **0.2s**	**10+** AI	**31 Miles** Range	**480 MHz** Processor
2 GB Memory	**Open-source base**	**4-core 1GHz** computing unit	**eVent®** Waterproof Fabric	**Titanium** Alloy Composite

Ascentiz K Ultra



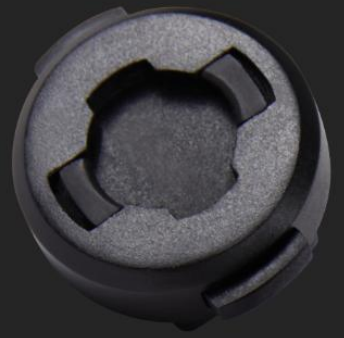
900 W (1.2 Hp) Motor	Response time **0.2s**	**10+** AI	**31 Miles** Range	**480 MHz** Processor
2 GB Memory	**Open-source base**	**4-core 1GHz** computing unit	**eVent®** Waterproof Fabric	**Titanium** Alloy Composite

Add-On

Ascentiz Battery



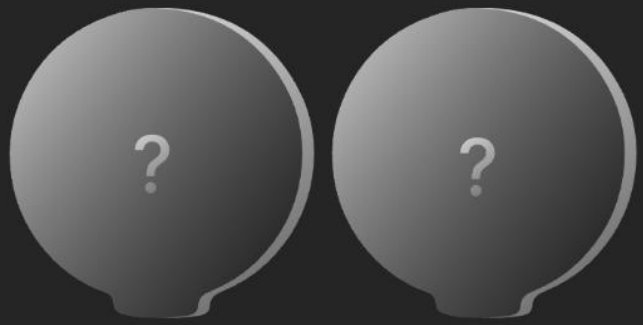
Ascentiz Exo-Belt Attachment Mounts



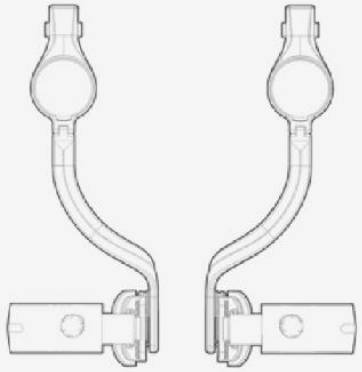
Ascentiz Support Harness



Ascentiz Magnetic Side Motor Covers



H Module



H Module



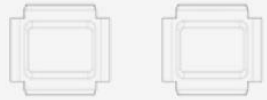
Portable Carry Case



Leg Strap



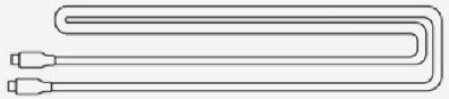
Exo-Belt



Waist Hinge Extension

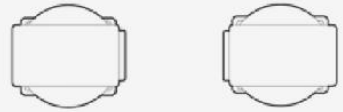


Ascentiz Magnetic Side Motor Covers



Type-C Charging Cable





Ascentiz Exo-Belt Attachment Mounts



User Manual



Warranty Card

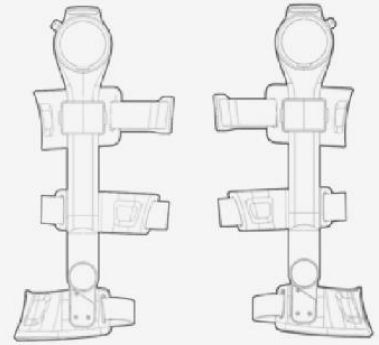


100W Charger



Battery

K Module



K Module



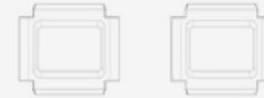
Portable Carry Case



Leg Strap Extension



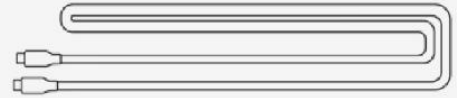
Exo-Belt



Waist Hinge Extension

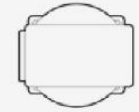


Ascentiz Magnetic Side Motor Covers



Type-C Charging Cable





Ascentiz Exo-Belt Attachment Mounts



User Manual



Warranty Card

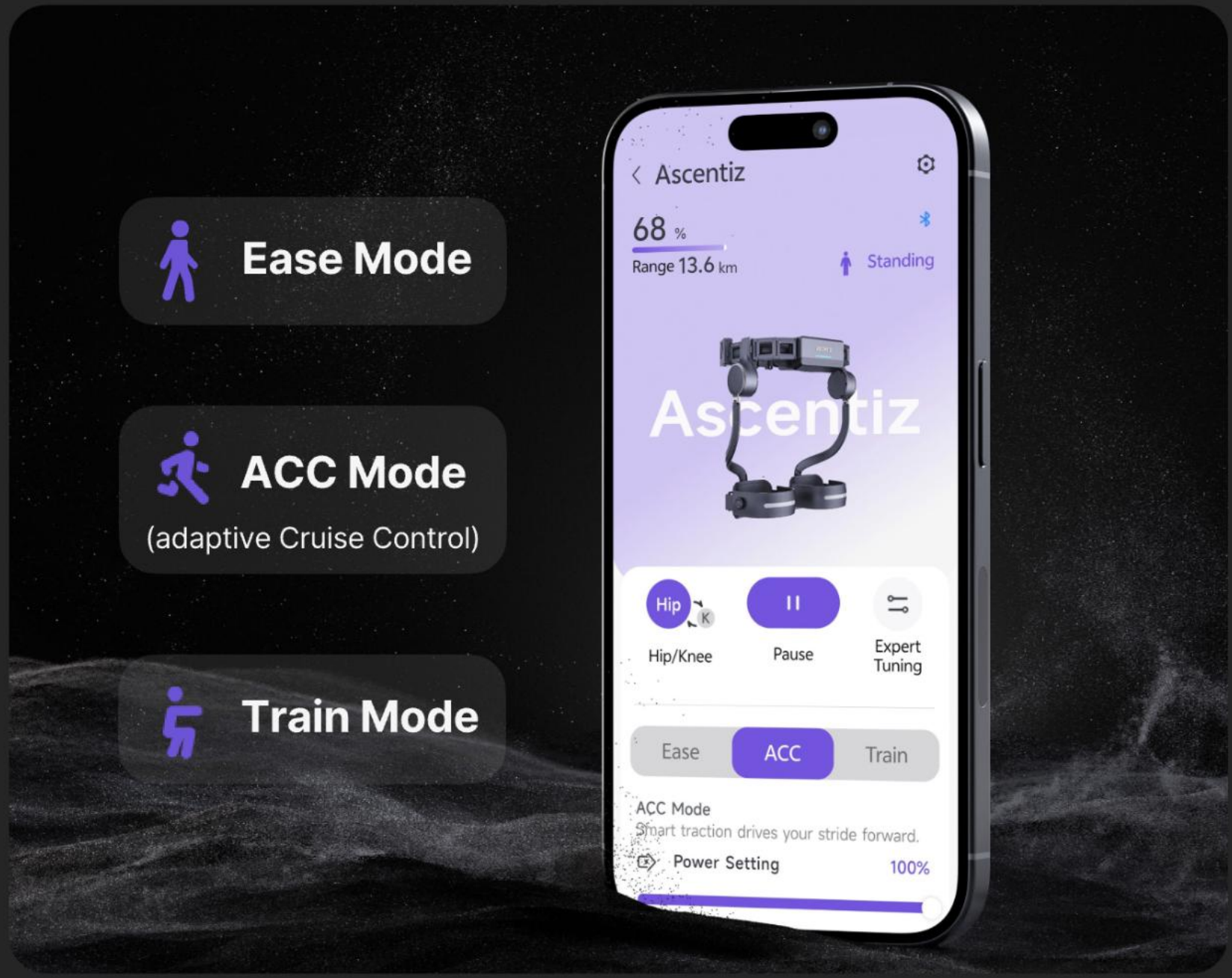


100W Charger

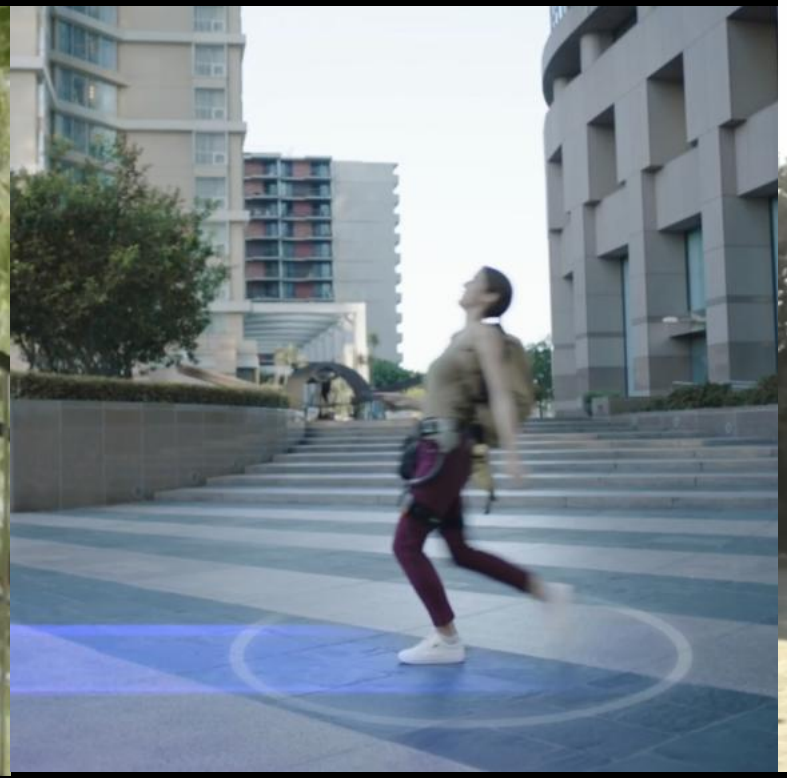


Battery


Recognize 10+
Motion Scenarios in 0.2s


Ease Mode
ACC Mode
(adaptive Cruise Control)
Train Mode
Ascentiz
68 %
Range 13.6 km
Standing
Ascentiz
Hip
K
Hip/Knee
Pause
Expert Tuning
Ease
ACC
Train
ACC Mode
Smart traction drives your stride forward.
Power Setting
100%







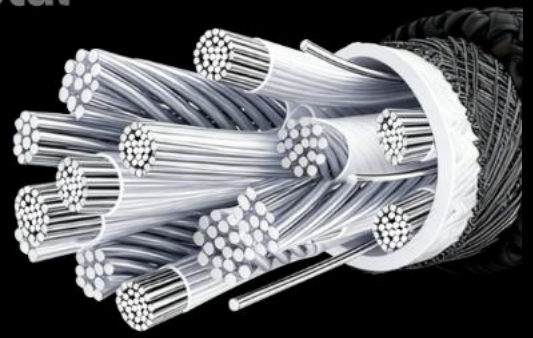
Ease Mode

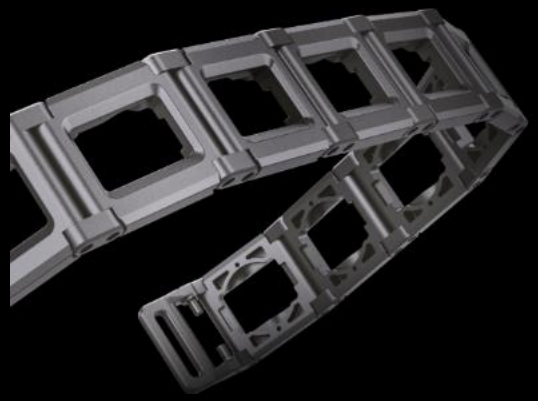
ACC Mode

Train Mode

Silver-Plated Single-Crystal Copper Wire

Aerospace-grade AMS 4928 Ti-6Al-4V (Grade 5) titanium alloy, tensile ≥895 MPa, yield ≥828 MPa: Optimal strength-lightweight balance with superior corrosion resistance and stability.





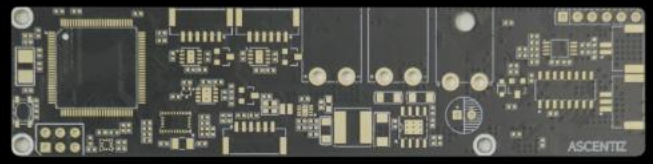
AMS 4928 Titanium Alloy

Aerospace-grade AMS 4928 Ti-6Al-4V (Grade 5) titanium alloy, tensile ≥895 MPa, yield ≥828 MPa: Optimal strength-lightweight balance with superior corrosion resistance and stability.

Toray T700 PAN-Based Carbon Fiber

Beyond carbon fiber, we chose Toray T700: 37x stronger than nylon, 39% superior to conventional carbon fiber, delivering ultimate lightness and strength.





PCB Immersion Gold (ENIG)

ENGI's gold-layer corrosion protection keeps your circuit boards performing in humid, dusty, and high-temperature conditions. Extend lifespan, reduce replacements, and minimize electronic waste with our RoHS-compliant, lead-free design.

More Reviews

CEO.CA

DIGITAL JOURNAL

CRWEWORLD

FRENCH DESIGN AWARDS

yahoo!

gadgetify

AdventureswithSpackmann

28.8K subscribers

"The **resistance** on these is pretty **crazy**, doing squats and high knees worked great!"



Momentum Productions

165K subscribers

"I can feel it just completely **taking control of my legs**, so it's a very bizarre experience."



HansTechTalk

315K subscribers

"The Ascentiz Modular Exoskeleton shows a clear future: **one frame, two powers**."

Area 13

141K subscribers

"I think the fact that the whole system is **modular**, it's going to have different plugins that can do **different functions**, is really cool."