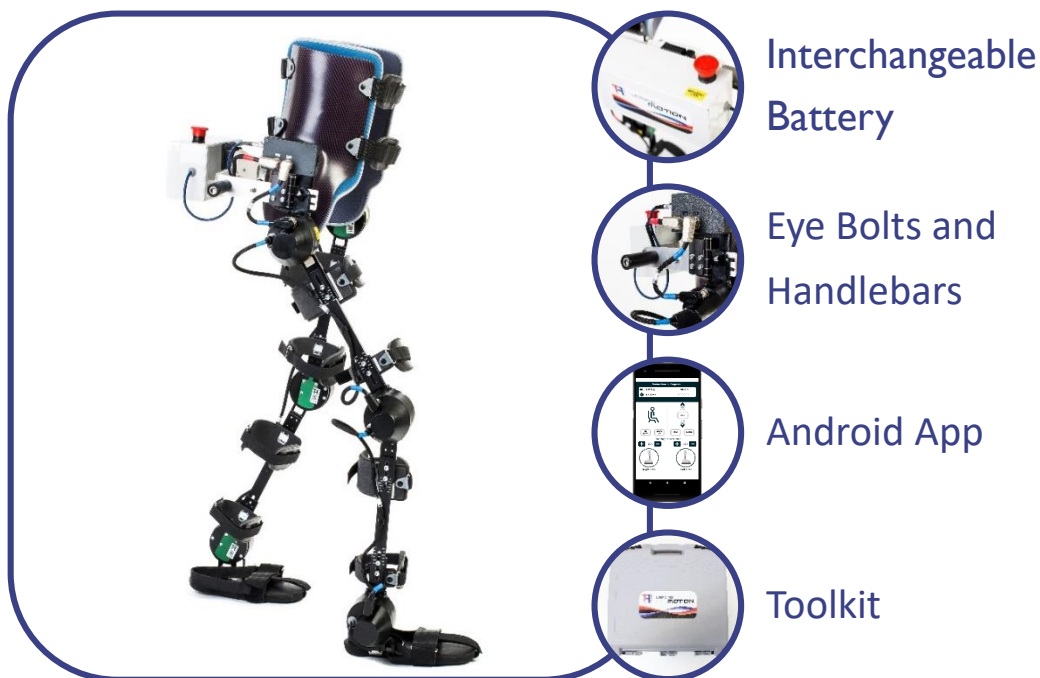


## Exo-H3 Main Features

- Open Hips Attachment for an **easy installation**
- Easy **subject adaptation** through optional extended cables and extension bars (different sizes)
- Hips Attachment adjustable in the sagittal and frontal plane.
- **Toolkit** included.
- Two straps per segment to ensure an **optimal fixation**.
- Eye Bolts installed for **harness fixation**.
- Included **handlebars** to assist the gait.
- Interchangeable battery for a continuous use.
- Emergency stop.
- Communication compatibility with several platforms (Matlab, ROS, LabView, etc.)
- **Android App** for gait management
- Online support.



## Exo-H3 Robotic System Technical Specifications

<b>Number of Degrees of Freedom</b>	6 degrees of freedom in the sagittal plane. One for hip, knee and ankle in both right and left legs.		
<b>Type of Control</b>	Position, Torque and Admittance in real time control.		
<b>Final Actuator</b>	Net Torque	35	Nm.
	Peak Torque	152	Nm.
<b>Communication</b>	External CAN-Bus Wi-Fi 2.4 GHz IEEE 802.11 b/g/n Bluetooth v3.0 (Class 2) 2,4 GHz Transceiver		
<b>Power supply (Charger)</b>	100 – 240 V AC / 50-60 Hz (AC power line)		
<b>Battery LiFePO4</b>	Size (H)	19	cm.
	Size (W)	6	cm.
	Size (L)	24	cm.
	Normal capacity Type	10.8	Ah.
	Normal voltage	19.2	VDC.
	Normal Power	207.36	Wh.
	Standard discharge current	5 (const.)	A.
<b>Principal structure production material</b>	Stainless steel and high resistance aluminum (7075).		
<b>Exoskeleton sensors</b>	6x Joint Position. 6x Joint Interaction Torque 4x Pressure Sensor (heel and toe)		
<b>Joints Range of Movement (Flexion/Extension)</b>	Hip (135°)	105° (flex.)	30° (ext.)
	Knee (110°)	105° (flex.)	5° (ext.)
	Ankle (60°)	30° (flex.)	30° (ext.)
<b>Size Adaptability</b>	Min. subject's height (*)	110	cm.
	Max. subject's height (*)	210	cm.
	Min. subject's weight	40	Kg.
	Max. subject's weight	100	Kg.
<b>Dimensions</b>	From 90 cm. to 148 cm. tall (approx.)		
	46 cm. long (side view) / 37 cm. (side view) without battery		
	65 cm. wide (front view)		
<b>Weight</b>	17 kg. approx. / 14,6 kg. without battery		

\* Some sizes options are only available through optional accessories.