



Dephy ExoBoot

Dephy's exoskeleton design approach is uniquely focused on the lower leg below the knee, aligning the joint areas on the human musculoskeletal system with a mechanical structure rigid enough to transfer significant force to the ground, yet light, comfortable, and compliant enough to not compromise natural motion. On-board artificial intelligence adapts to each user, and is capable of applying over 200W of mechanical power through a robust, power-dense electromechanical drive system achieving previously unattainable levels of human augmentation.

56 oz

(1.6 kg) per boot, with battery
46 oz (1.3 kg without battery)
(Men's size 12)

30 sec

max don/doff

6.0 mi

(9.6 km)
on a single charge

50 lb +

(23 kg)
reduction in load
carriage effort

Increases speed and endurance
while reducing the physiological
impact of load carriage



Dephy is a robotics design firm founded in 2016 with the primary mission of bringing humans Beyond Nature™ with performance-enhancing wearable robotics technologies. We utilize a practical, hands-on approach to problem solving which is supported by our rapid prototyping R&D space. We are active in the military, academic, business and consumer markets.

DEPHY
BEYOND NATURE™