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

On-board artificial intelligence & brushless motor

8” standalone boot

running shoe bottom geometry

integrated carbon composite foot-bed