

MAIN SWIPES COMPONENTS

Component	Type	Quantity	Weight
Main batteries	Military standard common type (BB-2590, MR-2791) or conformal batteries	2 units	2,600 gr
Power hub	Ruggedized 6 way hub	1	110 gr
Cables	6" military cables	6	480 gr
USB hub	3 port USB Ruggedized hub	1	90 gr
Docking stations	Dedicated docking stations for electronic equipment	Up to 6	1,080 gr
Total weight			4,360 gr

Optional Items	Type	Quantity	Weight
Additional standard battery	A third military standard or conformal battery	1	1,300
Solar panel	60W camouflage solar panel	1	1,300 gr
AC/DC adapter	100W AC/DC adapter kit	1	390 gr
Vehicle adapter kit	100W DC/DC vehicle adapter with lighter and direct connectors	1	390 gr
Total weight optional items			3,380 gr

ABOUT EPSILOR

Epsilor is the Defense and Aerospace activity of Epsilor-Electric Fuel Ltd. which forms part of Arotech Corporation's Power Systems Division (NASDAQ: ARTX). The division operates R&D and manufacturing facilities in the United States and in Israel.

Epsilor-Electric Fuel is a recognized world leader in the development and production of portable power products for the defense, aerospace, marine, medical and automotive industries. The product range includes batteries in a wide variety of electrochemistries, including Lithium Ion, Lithium Polymer, Nickel Metal Hydride and Zinc Air.

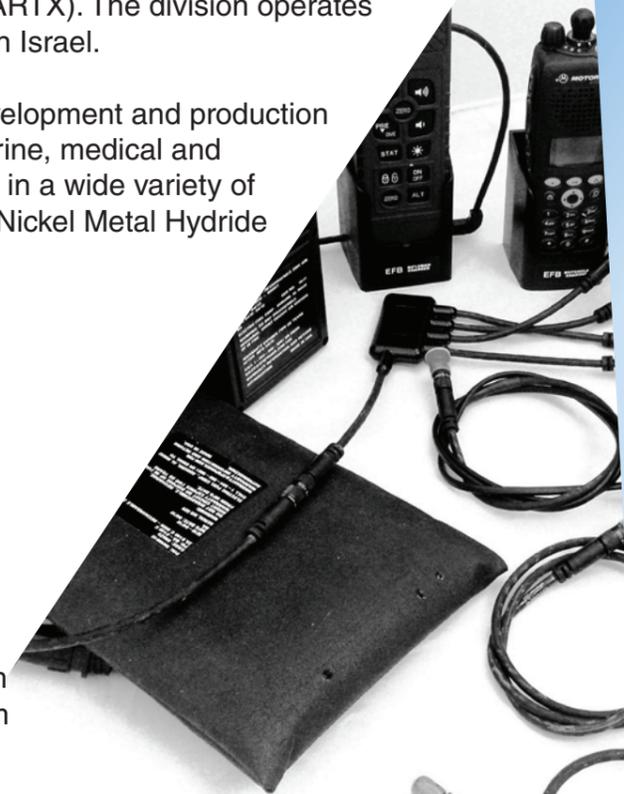
HOW CAN WE HELP YOU?

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SOLDIER WEARABLE INTEGRATED POWER EQUIPMENT SYSTEM (SWIPES)



The digital revolution is constantly introducing new types of man portable military electronics. Providing a critical advantage for the warfighter, this essential equipment also bears an additional 8 kg load of numerous batteries, making soldiers too heavy to maneuver and turning the logistical effort of energy resupply into an operational challenge.

Soldier Wearable Integrated Power Equipment System (SWIPES) dramatically reduces the warfighter load and the logistical complexity, turning the challenge into advantage.

POWER TO DEFEND
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TACTICAL ENERGY INDEPENDENCE

Epsilor

UEE
ELECTRONICS

Epsilor's batteries, chargers and power products are part of the company's Integrated Power Management Logistic and Operational Concept that aims to provide the tactical unit with full mission energy independence.

EFFICIENT ENERGY EXPLOITATION, SIMPLE SUPPLY CHAIN

SWIPES supplies a typical 72 hour infantry mission energy requirement of 600Wh, using a 4.4kg (8.8lb) wearable power management kit. Seamlessly integrated into a soldier's fighting vest SWIPES reduces soldiers' battery load by up to 40%, and enables a full exploitation of all the batteries carried by the soldier. Its efficient connectivity to any battery makes the tactical battery supply chain as simple as distributing, collecting and recharging only one main battery type.

With optional accessories such as a 60W solar panel, and an AC/DC grid and vehicle adapter kit, a soldier can extend his operational endurance even more, while still a total of 6.4 kg power sources and equipment - 20% less than a typical soldier's battery load*.

Used by US Armed Forces and other leading military organizations, SWIPES offers an advanced energy management solution addressing the physiological, logistical and tactical challenges of the information age dismounted warfighter.

With its growth potential of integrating new power source technologies, batteries of higher energy density and networked communications between the soldier equipment and the unit C² system, SWIPES is the optimal soldier wearable power system.

*A soldier's typical energy consumption and battery load calculated according to US Army Research Laboratory, 2011.



KEY FEATURES

- A high density standard battery replaces all spare batteries optimizing soldier worn energy storage and consumption
- On-the-move charging of all soldier's electronic equipment through vest-integrated mini docking hubs
- Maintains electronic equipment fully charged and on alert
- Energy harvesting from any available source in the field: electric grid, solar panel, vehicle charging hub, generator or other batteries.
- Simplified common battery supply chain
- Real-time energy status monitoring and low energy alert
- Wearable network system transfers data among all electronic devices and between soldier to unit (optional)

SUPPORTED EQUIPMENT

MILITARY TACTICAL RADIO

PRC-148 MBITR; PRC-152 Falcon; PRC-154 Rifleman; PRC-153 Motorola XTS; Elbit Systems Tadiran-624/710/714, Motorola Military Cellular "Mountain Rose", search and rescue and various backpack radios

TACTICAL COMPUTERS

DAGR, Panasonic Toughbook etc.

EO EQUIPMENT

SLS, optical headsets, thermal imagers, laser range finders and designators

SENSORS

shot detectors, mine detectors etc.

VIDEO TERMINALS

USB PORTS EQUIPMENT

