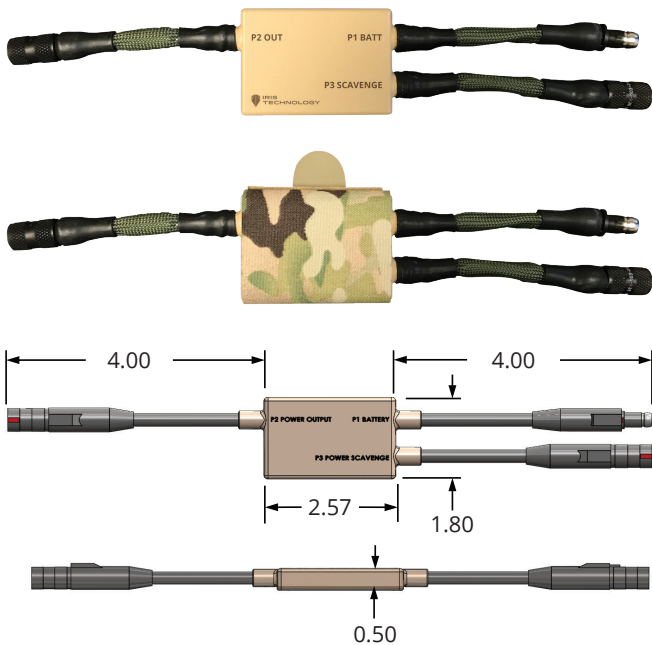


VULTURE POWER SCAVENGER

KEEP YOUR GEAR CHARGED

The Iris Technology Vulture Power Scavenger connects in-line between a wearable “system battery”, a Conformal Wearable Battery (CWB) or 2590 and the rest of the system (radios, DAGR, EUD). It was initially designed for a seamless integration with the US Army Nett Warrior System.

Powered by any DC source in voltage range 5-46 V (including solar), the Power Scavenger can deliver a maximum of 3 A at 16.8 V to assist the battery / system loads. There is a 5 A limit out to the system load. “Scavenged” power is used to offset discharging from the system battery, and will charge the battery if there is excess power available, as a SMBus Level 3 charger.



TECHNICAL SPECIFICATIONS

POWER INPUT/OUTPUT

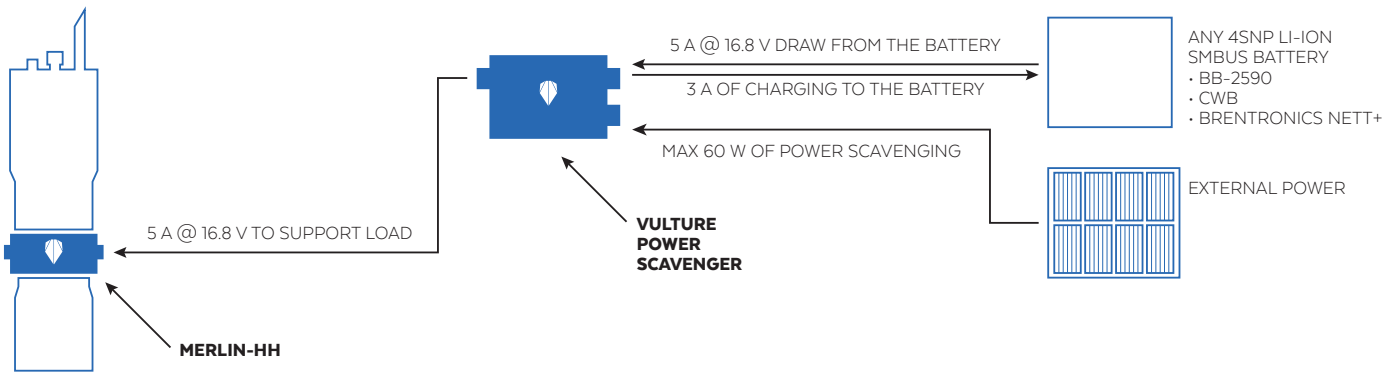
Connectors	1 x Power In (TBD) 1 x CWB male plug 1 x CWB female receptacle
Input Voltage	5–46 V
Protection	Over voltage, over current, short-circuit, reverse polarity, EMI filtering, ESD
Fault Recovery	Auto retry
Military Batteries Supported	Conformal wearable battery (CWB) Lithium Ion 2590
Battery Voltage Range	10–20 VDC

PHYSICAL PARAMETERS

Size	1.80 x 2.57 x 0.50 in (L x W x H)
Weight	0.245 lb (module), 0.310 lb (with pouch)
Color	Black, tan, green
Operating Temperature	-40 to +55°C
Interface	SMBus 1.1

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Currently designed with program specific connectors, variants with different connectors could be produced. The Power Scavenger is wearable and easily mounts to MOLLE with a 2 x 1 footprint in the included pouch. The unit is designed to be MIL-STD-810G, 461F, 1472F, 1275D compliant.


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PRELIMINARY

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