

VULTURE POWER SCAVENGER

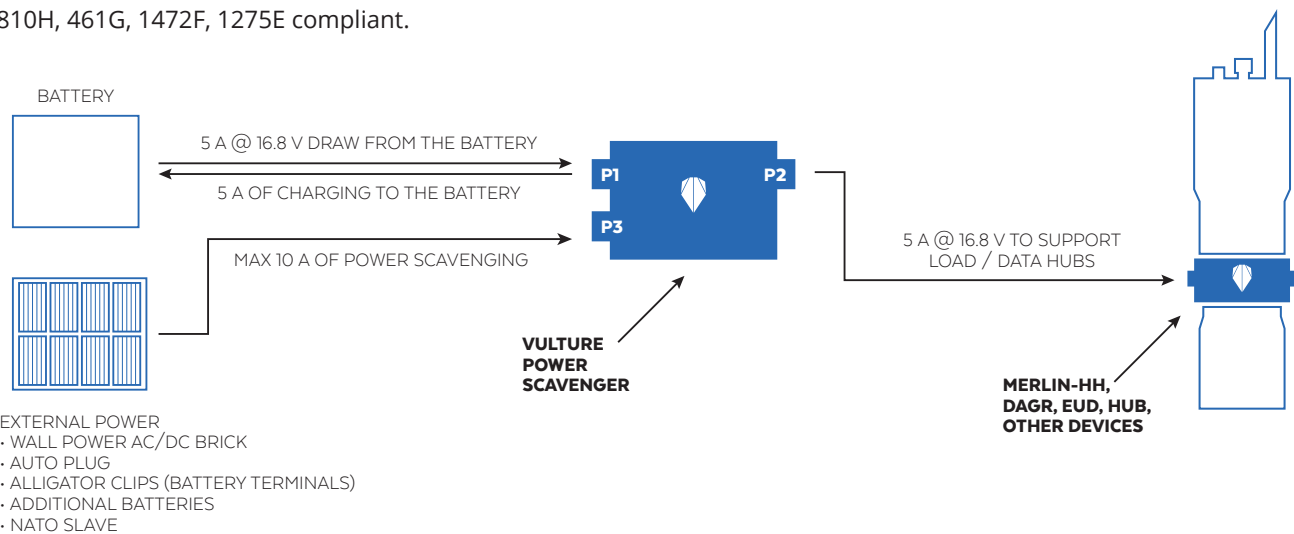
KEEP YOUR GEAR CHARGED

The Iris Technology Vulture Power Scavenger connects in-line between a wearable system battery, a Conformal Wearable Battery (CWB) and the rest of the system (radios, DAGR, EUD). The Vulture Power Scavenger architecture is optimized to seamlessly integrate into the US Army Nett Warrior System.

Powered by any DC source within voltage range 5-46 V (including solar), the Power Scavenger can deliver a maximum of 10 A at 16.8 V to system loads. “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.

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-810H, 461G, 1472F, 1275E compliant.

TECHNICAL SPECIFICATIONS	
POWER INPUT/OUTPUT	
Connectors	P1 - Nett Warrior P2 - Nett Warrior P3 - SAE J928
Input Voltage	5-46 VDC
Output Voltage	10-20 VDC
Battery Voltage Range	10-20 VDC
Protection	Over voltage, over current, short-circuit, reverse polarity, EMI filtering, ESD
Fault Recovery	Auto retry
Military Batteries Supported	Conformal wearable battery (CWB)
Communication Protocol	SMBus 1.1
PHYSICAL PARAMETERS	
Weight	0.31 lb
Color	Black, tan, green
Operating Temperature	-40 to +55°C



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