



# POWER AND DATA HUB [PDH-2]

POWER AND DATA INTEGRATION ALL THE  
TIME, ANYTIME, IN ANY ENVIRONMENT

**GALVION POWER AND DATA HUB (PDH-2)** is designed to support a variety of soldier-worn systems that are commonly used today. By seamlessly integrating with handheld radios, smart devices, and power sources, this hub offers soldiers the flexibility to scale their wearable power and data according to their specific mission requirements, enabling the interoperability and sharing of power and data between otherwise separate equipment

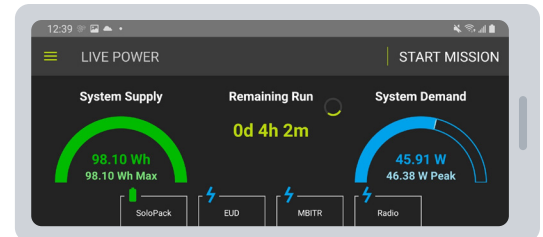


## KEY FEATURES

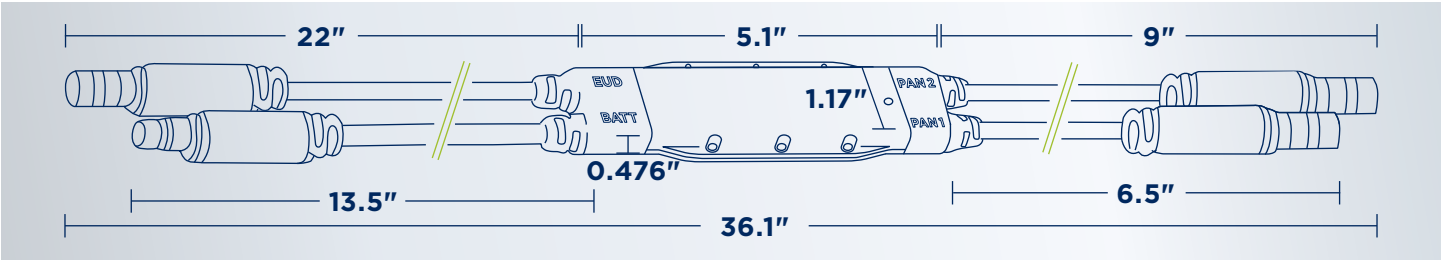
- Connects and supports soldier-worn equipment such as smart devices, handheld radios, and Nett Warrior style batteries
- Eliminates the need for individual batteries for devices by providing power management through a singular port
- HUB application pairing to provide maximum control over power management
- SMBus 1.1 & 2.0 on BB-2525 (CWB), Solopack™ or any other Nett Warrior compatible batteries
- Battery line communications provide SMBus and USB support connectivity, enabling two systems to share power and data
- USB 2.0 hub
- Fits inside MOLLE channel

## APPLICATIONS

- Soldier Systems
- Portable Field Equipment
- Soldier Carried Advanced Sensors and Optics
- Precision Navigation Equipment



*Our HUB application allows users to plan for equipment power needs, to analyze data in depth post mission, and store and retrieve data from the hub without requiring a continuous live connection to the EUD*



| PART NUMBER |  |
|-------------|--|
| 018-173     |  |

TECHNICAL SPECIFICATIONS

|                |  |
|----------------|--|
| DIMENSIONS     | Overall L 36.1" (917mm)<br>Hub: L 5.1" (129mm) x W 1.17" (29.72mm) x H 0.476" (12.09mm)  |
| WEIGHT         | 189.5 g  |
| POWER (INPUT)  | <b>VOLTAGE:</b> 9-20V<br><b>MAX CURRENT:</b> 7.5A (Connector Limited), 5A (Software)     |
| POWER (OUTPUT) | <b>VOLTAGE:</b> 9-20V<br><b>MAX CURRENT:</b> 5A  |
| POWER (USB)    | <b>VOLTAGE:</b> 4.75-5.25V<br><b>MAX CURRENT:</b> 3A per port (7A peak across all ports) |

SPECIFICATIONS

|                       |   |
|-----------------------|---|
| OPERATING TEMPERATURE | -4°F (-20°C) to 140°F (60°C)*   |
| STORAGE TEMPERATURE   | -40°F (-40°C) to 160°F (71°C)   |
| WATER IMMERSION       | Waterproof at 3.28ft (1 meter) for 30 mins (as per MIL-STD-810 Method 512.5)  |
| BATTERY CONNECTION    | NW 6 compatible pin plug  |
| LOAD CONNECTION       | NW 6 compatible pin socket  |
| PROTECTION            | Overcurrent, Short Circuit, Over-temp, Reverse Voltage Protection   |
| COMMUNICATIONS        | <ul style="list-style-type: none"><li>1x SMBus Battery Port with USB (Device) when linked to a PDH-2 or USB-compatible Nett Warrior device (Supports USB hub daisy-chain operation)</li><li>2x USB Device Ports (Nett Warrior Socket)</li><li>1 x EUD USB Host Port (Nett Warrior Socket)</li></ul> |
| PERFORMANCE STANDARDS | <ul style="list-style-type: none"><li>RE102 - Air Force</li><li>RS103 - Army Critical (200V/m)</li></ul>  |

\*Thermal throttling will occur for safety due to touch temp at high operation temperature

