



Whether enabling free Wi-Fi for buses, or maintaining surveillance on maritime deployments, you need to rely on battery power. Any battery-powered deployments will face the following challenges:

! Voltage Fluctuation

Battery power does not provide stable voltage, this could make devices function unreliably or shut down altogether.



✓ Voltage Regulation

The SD-PMU can take power from sources with low or fluctuating voltage and turn them into a reliable streams of 52V power. Each device can support 2 power inputs and 4 power outputs.

! Inability to Troubleshoot

In the event that devices lose power, there is no information on how the battery has been performing up to that point.



✓ Remote Voltage Monitoring

The SD-PMU records battery voltage information and sends it over the IoT Cloud for remote monitoring. In case the SD-PMU cannot reach the IoT Cloud, it will locally store voltage records until it can upload the data.

! Battery Drainage

If batteries are excessively drained, they will be unable to start up the vehicle. Overdraining batteries will also damage them.



✓ Voltage Sensing Capabilities

The Low Voltage Disconnect function shuts off access to the battery if the voltage level falls below a defined threshold. The Ignition Sense function shuts off power to connected devices when the vehicle ignition is turned off.

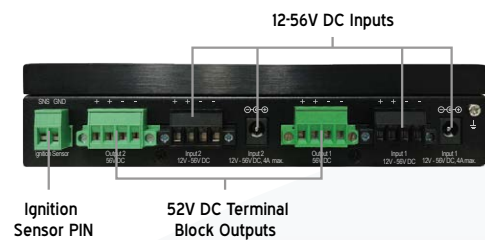
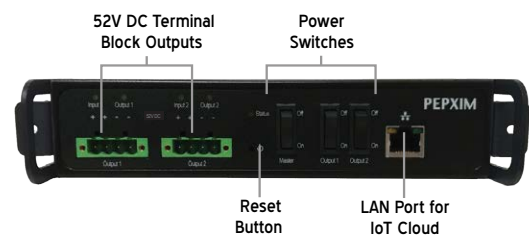
Sequential Boot Up

With the SD-PMU, you could determine which port receives power first upon boot up. This is useful for deployments where the operation of the second device is dependent on that of the first. Use the IoT Cloud to remotely determine the boot up sequence.



SPECIFICATIONS

- **Product Code** : PMU-DD-52V-400W
- **Power Input** : 2x Terminal Blocks, 2x DC Jack 12-56V DC
- **Power Output** : 4x Terminal Blocks: 52V DC
- **Stabilised Power** : 400W
- **Ethernet Port** : 1x port for IoT Cloud access
- **Enclosure** : Indoor Metal
- **Dimensions** : 187 x 205 x 41 mm
- **Weight** : 2 kg
- **Operating Temperature** : -20° – 55°C
- **Humidity** : 15% – 95% (non-condensing)
- **Certifications** : FCC, CE, RoHS, Rolling Stock
- **Warranty** : 1-Year Limited Warranty



ORDERING INFORMATION

- **PMU-DD-52V-400W**
Software-Defined Power Management Unit, 2x terminal block inputs, 4x terminal block outputs. Cloud Functionality
- **ACW-741**
Mounting rack, mounting ears and screws

Why Rising Connection is using equipment designed and built by Peplink?

- Industry leader in both ISP & Data Bonding across multiple technology platforms
- Reliable hardware from entry level professional equipment through to advanced Enterprises solutions
- Worldwide supported and local support here in Australia by fully trained technicians
- Reliable and secure redundancy paths for mission critical sites
- Designed for maximum possible business uptime

This demonstrates to Rising Connection that you will have the Quality, Reliability and Product Support.