



## ENERGY RE-CONNECT

POWER DROP BACKUP

Please see our FAQ list below:

- **What type of battery is in the PdbU?**
  - The PdbU incorporates lithium Ion batteries from two very well-known battery manufacturers.
- **How long will the battery last?**
  - The typical camera uses about 3 watts of power. Our unit has an 11 watt(2600mA) battery, therefore it will continue to operate a cameras for approximately 3+ hours.
- **Does the PdbU charger an operate at low temperatures**
  - We do not see a decrease in power output nor charging issues at -10 deg. C.
- **How does the PoE power negotiation operate?**
  - The PdbU negotiates the PoE between the PdbU and the network switch.
  - The edge device negotiates the PoE between the edge device and the PdbU
- **Noise can occur over PoE**
  - The PdbU can filter or clean up EMC noise that maybe injected from other cables or devices near the Ethernet cable.
  - The PdbU will regulate the PoE power from the network switch to sustain the minimum require voltage. Since serious voltage drops can occur over long Ethernet runs.
- **Need more power, but not higher current**
  - Use our custom extended battery pack to extend the power reservoir of energy from 11 Watts to 30 watts. This will not increase the current output, but will extend the battery backup time. For example a 3 watt camera will run for ~3 hours on our 11 watt PdbU, but with the extended battery pack, it will last for 9 hours.
- **When will the PoE+ be available?**
  - A 30 watt PoE+ will be available in Q4-15
- **Is there surge suppression?**

- The PdbU has an extensive built-in surge suppression system
  - The 11W unit has a surge protection 4Kv
  - The 30W unit has a surge protection 6.5Kv
- **How is the PdbU battery charged?**
  - The PdbU is trickle charged via the POE input or with an external 12-24VDC/24VAC power source. The PdbU extracts about 1 watt of power from the POE.
- **Can an extended battery pack be connected to the PdbU?**
  - We will release an extended battery pack in Q3-2015 that plugs into the PdbU and is charged via the POE or via an external 12-24VDC/24VAC power source.
- **Can the PdbU be used as a Mid-Span?**
  - The PdbU can be used as a Mid-Span with an external 12-24VDC/24VAC power source.
- **I don't need PoE backup but do need 12VDC**
  - The PdbU can not only power the POE device, but can also supply 12VDC output. This is achieved by using our advanced technology that converts the POE power into 12VDC.
- **What the 12VDC output used for?**
  - The PdbU can not only power the POE device, but can also supply 12VDC output. This is achieved by using our advanced technology that converts the POE power into 12VDC.
- **Is the PdbU UL listed**
  - Yes, the PdbU is UL listed.
- **Do you have mounting brackets?**
  - Yes, we have various mounting adapters
    - Wall mounting bracket:
      - Part number: ERC-9005AF-BRKF
    - DIN Rail mounting bracket:
      - Part number: ERC-DIN
- **How do I charge the PdbU in my car?**
  - The new Car charging adapter is available
    - Part number: ERC-C

- **Does the PdbU operate as an Ethernet Extender?**
  - The PdbU does not extend the 100 meter distance specifications for Ethernet
- **Is the PdbU protected by USA or European patents**
  - Yes, the PdbU is protected by several USA and global patents. US Patent #[2014076672](#)
- **Can the PdbU be used outdoors?**
  - The PdbU is designed for indoor use, but can easily be mounted in an external environmental enclosure.
- **What are the certifications for the PdbU**
  - We currently hold the following approvals: UL; cUL; CE; CB; FCC; TUV
- **Why the PoE backup from Energy ReConnect?**
  - Most UPS systems in the IT room are only designed to operate for 5 to 10 minutes and then they signal the server and the network to shut down. The PdbU can operate an edge device for over 3 hours.
- **What are the causes for power loss?**
  - Power loss can be attributed to many factoring including a criminal that turn off the circuit breakers to the business or home, since they believe that the camera and access control systems will not operate without power
- **What is the damage if there is no PoE UPS?**
  - Without a proper PoE UPS, your business is left vulnerable to theft.