

Equipment Features

- ★ **True Double Conversion Topology**
- ★ **High speed IGBT Inverters w/ active feedback compensation**
- ★ **Wireless Paralleling**
- ★ **Battery Management System (DC Expert)**
- ★ **Input Inrush limiting to 1 X**
- ★ **Intelligent Input Filter**

Operational Features

- ★ **Systems rated; .8 lagging to .8 leading and .9 lagging to .9 leading**
- ★ **Systems rated for continuous combination of Full load + 104 F + 5000' elevation**
- ★ **Multiple options for “load bus sync”**
- ★ **Same module design for all systems configurations; Parallel or stand-alone reverse transfer**

Environmental Requirements

- ★ **No rear access required**
- ★ **Up to 5000' elevation without derating**
- ★ **32F - 104 F, maximum: 77 F +/- 10 F, recommended**

Lessons Learned

- ★ **Typical EPO trips (Accidental ?)**
- ★ **System (downstream) Isolation Breaker tripped (part of MBP or load distribution)**
- ★ **Input filter issues**
- ★ **Generator under-sizing; issues of UPS input xfmr inrush (limit inrush / delay input re-closure.)**

5 Reasons to select Powerware

- 1). Financially stable, Eaton Corporation \$10Billion & growing**
- 2). 40 years + UPS experience**
- 3). No configuration conflicts ! Can & have installed all systems configurations.**
- 4). Wireless Paralleling provides no system level single point failure mechanisms**
- 5). Superior Field Engineering staff (over 350 CSE)**

THANK YOU