

## A/B Diversity Arrays

Product Configuration Series: Using Multiple Power Systems

## **Fault-Tolerant Architecture Dual Power Systems** Critical Load: X MUX SCADA X Server MTS Radio dc output circuit protection #1 Router (B power to rectifiers AC Utility Panel \* Critical Load: Y MUX SCADA Server Radio MTS dc output circuit protection Router #2

\* Alternate source may be a large dc energy storage system (ESS); typical 130V battery for utility service providers.



## Connections<sup>2</sup>

- Source Options; (location dependency and availability)
  - Mains AC Entry Panel
    - Individual circuits to power systems or power modules
    - Majortel rectifier designs include: input from house power sources to rectifiers (120/240)
  - 130 V DC Energy Storage
    - Pre-existing installation for utility providers; typical battery
    - Majortel converter designs adapt 130V to 48V.
- Majortel Power System #1
  - 48V dc output connections to Load Input: X<sup>A</sup> and Y<sup>A</sup>
- Majortel Power System #2
  - 48V dc output connections to Load Input: X<sup>B</sup> and Y<sup>B</sup>

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