Connecting energy storage to the grid

Electrical Balance of System for Utility Installations

Because utility energy storage plants are often located in remote areas, they can present operation and maintenance challenges. Eaton's electrical balance of system packages can help energy storage plants:

- Reliability
- Energy efficiency
- Safety
- Cost effectiveness

Our NEMA 3R/4 enclosures and outdoor electrical houses help protect equipment from the elements and keep it operating. Eaton's complete Integrated Power Assembly (IPA) buildings reduce the need for construction on remote sites and offer the added convenience of a control room and office space.

Eaton can also help support energy storage plants once they're operating. We offer an extensive selection of operations training for electrical power systems equipment, and we're a leader in electrical safety training. We can even help monitor and manage storage system performance with our remote performance monitoring services.

Eaton product solutions combine:

- DC switching and protection (UL 1741)
- Robust inverter technology – same reliable technology that is used in our AC motor drives (UL 1741)
- AC switching and protection
- Integrated metering
- Customized packaging and pre-configuration

EATON'S ELECTRICAL BALANCE OF SYSTEM

- A DC switching and protection
- B Storage inverters
- C1 AC switching and protection (LV)
- C2 AC switching and protection (MV)
- D Customized packaging
- E Monitoring and metering

EATON

Powering Business Worldwide

A DC switching and protection

DC disconnects

DC circuit breakers

DC disconnect switches

DC panelboards/switchboards

B Storage inverters

Energy storage grid-connect inverters– 500 kW through 2000 kW

C1 AC switching and protection

AC panelboards/switchboards

AC disconnect switches

C1 C2 AC switching and protection

AC circuit breakers

Medium voltage AC switchgear

Low voltage switchgear

Low voltage and medium voltage transformers and substations

D Customized packaging

Custom Solar Switchboards

Integrated Power Assembly (IPA)

E Monitoring and metering

Monitoring and metering products

Power Xpert® software

Powering Business Worldwide

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Printed in USA
Publication Number PA04000004E / 3PC
April 2012

For more information, visit
www.eaton.com/energystorage