Parallel Battery Cabinets with a Single Inverter

TN00004

OVERVIEW

In Australia and New Zealand ASNZS5139:2019 has a requirement to have over-current protection between parallel batteries. This may not be required in other countries, however, could be considered best practice.

These requirements also include ingress protection requirements.

PowerPlus Energy offer the below to assist with systems design.

The underlying intent is to provide not only compliance, but the ability to use reasonability priced equipment, however, this may vary depending on your country, region, or supplier.

SUGGESTED EQUIPMENT

Inverter point of isolation	Noark MCCB in an IP56 enclosure or similar
Busbar	Victron Lynx Power In Busbar or similar
System over-current protection	HRC blade fuses in a IP23 enclosure or MCCB in an IP56 enclosure

Example