

# Energy Storage Case Study - Community Micro Grid

Community

**Moora Moora**

Location

**Mt Toolebewong,  
Victoria**

Application

**Off Grid  
Community  
Micro Grid**

System Size

**100kW PV /  
80kWh Battery  
Storage**

Battery storage

**20 x 4kWh ECO  
4840PS Modules**

Solar panels

**156 x 435W**

Inverters

**6 x Selectronic  
SP Pro 481 5kW  
Battery Inverters,  
4 x Selectsun  
20kW Solar  
Inverters**

Moora Moora Co-operatative Community is an off grid community located at the top of Mt Toolebewong, 70km East of Melbourne.



Founded in 1974, Moora Moora is home to 8 households along with Smart Energy Lab, a solar and battery industry training centre, showcasing solar and battery technology from around the world.

The Moora Moora community residents each have individual “off grid” solar battery systems installed in their homes.

However, unlike most off grid homes, all the homes are connected back to a large off grid system, forming what is known as a “micro-grid”.

Forming the heart of the micro-grid battery system are 20 PowerPlus Energy Eco 4840PS batteries with Smart BMS (80 kWh total), and six Selectronic SP Pro 481 battery inverters (30 kW total).

Both products are produced locally, and are designed for use in high and low temperatures as it snows regularly at Mt Toolebewong.

