



## Residential installation in Mosman Park

### OVERVIEW

- Location: Mosman Park, Western Australia
- 45 x PV panels - 14kW array
- 4 x 10kWh Redflow ZBM2 batteries
- 3 x 10kVA Victron Quattro Inverter/Chargers
- 3 x Victron SmartSolar MPPT 250/100 Charge Controllers
- Redflow Battery Management System (BMS)
- Custom-made Stainless Steel Battery Racks
- 3-Phase Power



**Just south of the Perth CBD, on the banks of the Swan River is the suburb of Mosman Park and the location of our latest residential project.**

This fully autonomous, “off-grid” suburban home is showing the way to a sustainable future for household energy needs by mitigating its utility power costs.

Using the latest and best technology and sustainable products available, this home harnesses endless, renewable solar energy and stores it in the most advanced, clean and sustainable battery energy storage system available - Redflow Zinc Bromine Batteries.

The advantage of this system design, (*for when the time comes and legislation allows*) is that homes with large Battery Energy Storage Systems (BESS) like Mosman Park - will be capable of exporting excess energy at whatever the requirements or needs of the utility may be. This home is ready to do just that - capable of supplying clean, sustainable, long term energy back to the grid when needed - day or night.

At RBSS we are confident that this home is doing its part in reducing its reliance on the utility, thereby reducing its carbon footprint for a more sustainable future.

**For more details about this installation contact -  
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The entire BESS is monitored remotely via the Victron Remote Console feature on a smartphone or laptop.



Victron SmartSolar MPPT 250/100 Charge Controllers



Three x 10kVA Victron Quattro Inverters deliver 3-phase power to the home.



45 x 315W PV panels make up the 14kW array.



Four x 10kWH Redflow ZBM2 batteries installed.

**Renewable Battery Storage Solutions (RBSS)** provide specialist electrical contractor services for the design and installation of sustainable energy storage systems. Ideal for those wanting to complement existing or new solar power installations at home and the work-place, or as an energy backup solution using existing power grid.

RBSS offer services for a wide range of residential and commercial energy storage applications across the Perth metro area and regional Western Australia.



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