

Powerclub Virtual Power Plant (VPP)

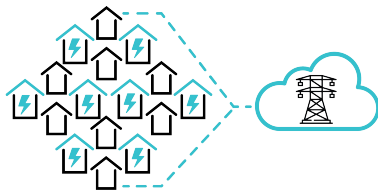
Battery and solar power pooled for use in a virtual power plant.

A virtual power plant (VPP) is a network of rooftop solar panels and battery systems pooled together to feed electricity into the grid at peak times.

When operating as a VPP, households and businesses can sell their stored battery electricity during price spikes to pay back the investment in their systems faster.

The sonnen battery prioritises the home by charging the battery from the solar panels and using for self consumption, but when the market prices spike, the VPP will activate and discharge or charge the battery taking advantage of high or low price events providing additional income for the battery owner.

The VPP software monitors the wholesale energy market and sets price spike alerts. When demand jumps, Powerclub will automatically draw power from the VPP and households receive income from excess solar stored in their battery.



Customer Benefits

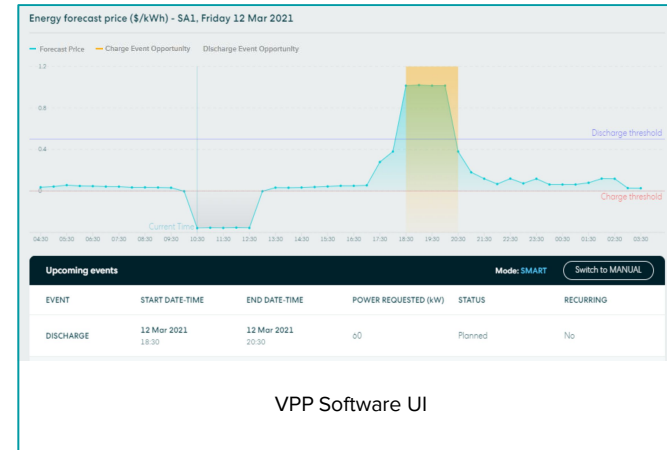
- Access to the wholesale energy market through Powerclub's unique retail offering
- Additional revenue from solar and battery assets.
- Reduced energy costs, potentially to zero
- Faster payback on your battery.

Essential Requirements

- Households will need a participating battery and solar panels. Households will need to switch their electricity connection to Powerclub to participate in the VPP program.
- Smart meter/advanced meter capable of providing interval meter data. Powerclub will be able to arrange this for you once your retail transfer is complete.
- Internet connection, either wired or wireless.

Optimised Features - 2021 release

- Smart Arbitrage - Automated charge and discharge events scheduled based on wholesale market forecasts.
- Optimise your Energy Use - maximise savings by optimising between self consumption, arbitrage or participation in FCAS market
- Access to Frequency Control Ancillary Service (FCAS) markets when sufficient battery capacity is met
- Access to 5 minute spot market



VPP Software UI

