



# Battery Storage for Grid Support Applications

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# Schneider Electric

Schneider Electric is a global specialist in energy management with operations in more than 100 countries with 160,000 employees and revenues of €26 billion 2015.

Schneider Electric offers integrated solutions across multiple market segments, including leadership position in energy & infrastructure, industrial processes, building automation, and data centres, as well as a broad presence in residential applications.

# Balmoral Apartments

A \$23 million prestige residential development, located in Mosman, NSW.

Comprising a penthouse, 4 apartments and garage for 17 vehicles.





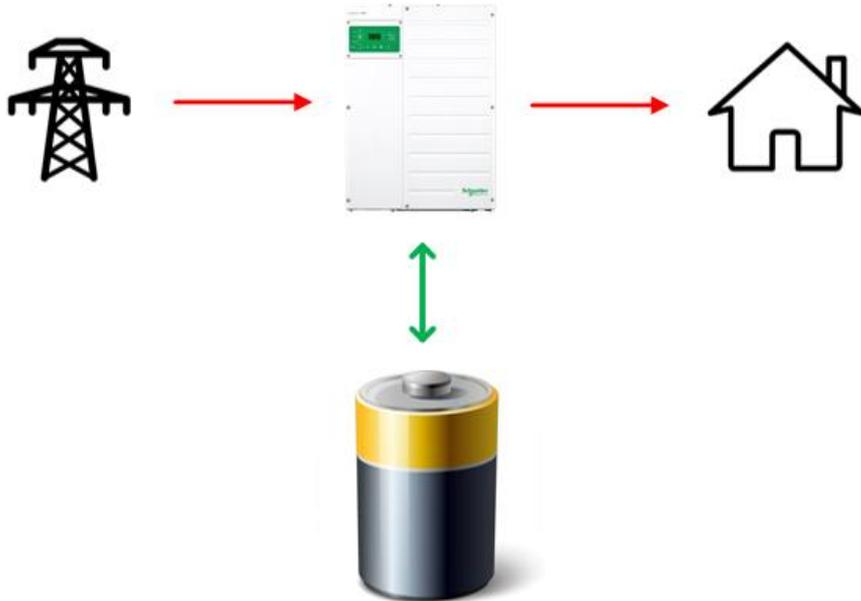
# Problem Situation

Existing electrical infrastructure limited the power feed into the building to 100A per phase.

Due to limited space a car stacker would be used to park the cars, the car park power requirements exceed the available supply.

A massive capital expenditure of \$600,000 was required to upgrade the electrical plant by the utility.

# Battery Storage Solution



The Battery Storage system charged from the grid, comprising 6 XW+ hybrid inverters by **Schneider Electric**, 40kWh of battery storage by **Ecoul Batteries**, battery charging management system by **Azzo Automation**.

The battery system was purely used for peak lopping to prevent installation drawing more than 100A, 3 phase for the grid

# Features & Benefits



## Equipment Description

Conext XW+7048  
Hybrid Inverter Charger

## Specifications & Features

Continuous power rating = 40.8 kW  
Peak power rating = 72 kW  
Single or 3 phase operation  
Remote monitoring and programming  
Dual inputs (AC1 and Generator)  
On grid and Off grid applications  
Scalable to 76.5kW (108 kW peak)



Ultraflex  
Battery Storage Module

Nominal energy = 28 kWh  
Non-combustible electrochemistry  
48 ELV safety  
Dual purpose application (peak lopping & power backup)  
Fast charging  
Scalable up to MWh  
Developed by CSIRO

Life Is On

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