

SOLAR CASE STUDY
Excel Lockers Darra, Qld



Location

Darra, Queensland

System Size

91 kWp

Estimate Annual Production

140 MWh

Estimated Annual Carbon Offset

131 tonnes

Solar Panels

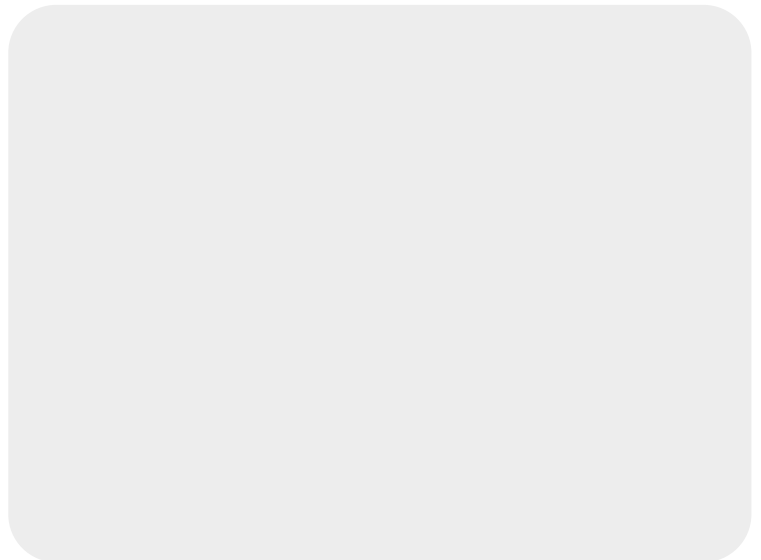
260 x 350 watt 

Solar Inverters

SolarEdge with DC Optimisers

Completion Date

Oct 2017



The solar panels are connected via 260 x SolarEdge DC Optimisers to 5 x SolarEdge 3-Phase inverters. The Optimisers are small electronic devices installed beneath each solar panel that enable panel-level monitoring and ensures each module panel is continually kept at maximum power. Electricity losses due to mismatch or partial shading conditions are also kept to a minimum through the use of SolarEdge Optimisers.

Additionally, this SolarEdge system also provides a superior level of safety. The DC-DC optimisers revert to 'extra low voltage' when the system is switched off during daylight hours. If an accident occurs, the system will automatically isolate to safe mode once the communications link is breached or the system is shutdown. This allows firefighters to operate safely and use water to push back a flame front.

The Solar Hybrids team designed the system, procured the components, and project-managed the build from start to finish, ensuring a safe and successful implementation of the highest quality system with minimal disruption to the factory's operations. This solar installation adds to Excel Locker's already impressive eco-sustainability and environmentally friendly energy efficiencies such as their LED lighting throughout their factory and storage facilities.

If you would like to know more about Excel Lockers' sustainability activities and their eco options products, visit their eco options webpage at:

<http://www.excellockers.com.au/Ecooptions.html>