

# Battery storage for your farm - installing now!

David Stevenson, Mole Energy



## Mole Energy have been installing solar panels on farms since 2010, but what about our commercial battery offering?

Storing renewable energy, harnessed by your solar array, has always been the obvious thing to do. It doesn't make business sense to lose a significant amount of free energy, back to the National Grid, especially where the ROI is relatively low. So, whilst we've always understood the importance of maximising our customers' self-consumption of free solar energy - what's previously prevented this from being viable?

Historically, electricity costs were relatively low and battery storage costs comparatively high, so the cost benefit analysis - the price of the battery versus the cost of electricity - has meant that we've been waiting for the scales to tip - and now they have.

### Cost benefits

With energy costs significantly increased and the price of commercial batteries considerably reduced, because technology has caught up, the business case to invest now stacks up. Commercial battery storage makes perfect sense - and particularly for dairy farmers.

### Milking energy

For many dairy farms, the majority of energy is used first thing in the morning and then again at night. However, the bulk of solar generation is in the middle of the day when, typically, electricity demand is at its lowest. The result - large amounts of free solar energy being exported back to the grid, and at a low return.

This is where a commercial battery comes into its own.

With the installation of a commercial battery, you'll be able to harness and crucially, store, solar power that's being generated in the middle of the day, ready for release and use during the evening and morning milking.

### Research and due diligence

We wanted to offer a cost effective battery with the capacity for commercial storage. We've spent many years researching commercial battery products that not only meet our customers' needs, in terms of functionality and price, but also our requirements relating to quality assurance. We've carried out due diligence, on your behalf, putting in place reliable supply contracts and robust warranties. It's been a long project, but our search is finally over. Whatever the size of your business, or solar array, we now have viable battery storage solutions for you.

### The right battery for you

Whatever the size and type of your business, we have a tailored battery storage solution for you. The Tesla Powerwall provides bespoke, stackable solutions for the smaller business, with 24/7 back up and smart phone controls. For the larger business, Wattstor's energy eco-system is an award-winning Energy Management System (EMS) that connects all energy resources across a site, including solar PV, batteries, operational equipment and electric vehicle charging.

For more information about our commercial batteries, call our agricultural specialist team today.



**Battery Storage**  
& Energy Management Systems (EMS)  
for Agricultural, Commercial & Industrial Sites

- Maximise savings
- Boost sustainability
- Break through solar grid constraints
- From small-scale battery systems to large-scale containerisation solutions



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