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Static homes, modular buildings, holiday homes, lodges.

The static home / modular building market is growing in all sectors, lasting longer than 30 years and some modular buildings over 80 years. If you have not been in one lately, they really are home from home.

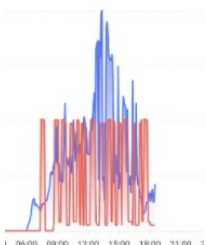


We have seen a large increase in enquires for Solar and battery storage over the last 5 months due to the increases in electricity costs and the threat of power outages. Putting solar on static caravans and modular buildings is nothing new, however due to the weight of the panels, the glass fragile nature and there inefficiencies its never really taken off.

Until now.



The grey sky's in the north of England were ideal for the testing carried out over a 1 month period, we estimated the typical maximum usage for a family of 4 would be approximately 16kW, we fitted 24 Rfusion 170W commercial panels (4kW) and 10kW Rpower Ampihome battery storage, with no grid connected. Timers were fitted to simulate day to day usage, Oven for breakfast, lunch and dinner, TV, lights, heating, fridge, and most importantly the kettle. Everyday the battery would be fully replenished before 3.30pm, ready for when the sun went down and the battery had to take over 100%.



Here is a typical daily graph, the red showing usage and the blue showing solar generated energy

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Whilst I will not say this solution takes you 100% off the grid, for all of your energy requirements for the whole year, it would seem that from mid March to Mid October the sun will produce all of your electric energy requirements. During the winter shutdown period when the electricity is turned off, there should be enough power to run a dehumidifier and a oil heater to prevent freezing.



Your installation does not need to look like this.



When it can look like this



10kW Rpower Ampihome, yes it is IP65 rated. An all in one solution.

For over 20 years, Rfusion's solar panels have been used in the harshest environments, proven to be the strongest, lightest, and most efficient commercially available today (Further details can be provided under NDA).

No more glass, no more heavyweight inefficient solar panels, just 100% renewable energy.