

# Allume Energy

## Meet SolShare

SolShare is the world's only hardware for connecting multiple flats to a single rooftop solar system. It offers a simple and affordable method to improve the EPC ratings of every flat in the building while reducing the electricity bills for the households living within them.

## SolShare benefits

- Qualifies for SAP 10 PV credits, typically gaining 5 – 15 points per flat.
- Tailorable kWp allocation to achieve EPC goals.
- Reduces every household's electricity bill.
- Fault and performance monitoring - no recurring maintenance required.
- Installation time of less than 2 weeks.
- Recognised as 'Innovation measure of substantial uplift' by Ofgem for ECO4

[For more information, please contact](#)

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**Below you can see a typical SolShare installation.**

Each SolShare is paired with an inverter, in this case, a 20 kW Fronius Symo. With 15 outputs per SolShare, this installation can connect to up to 30 flats.



# SolShare Case Study

## NEW BUILD - TOPHAT

### ADDRESS

Kitchener Barracks, Chatham, Kent

### NUMBER OF FLATS

90

### SAP RATING AND EPC BAND ANALYSIS FOR AN APARTMENT BUILDING

Communal apportioned solar energy vs. SolShare solution connecting PV direct to each dwelling

Flat Type	Count	PV array connected only to the Landlord supply Solar connected as 'One Block, Multiple Dwellings Annual Energy Apportioned**			PV array connected to each flat via the SolShare Direct Connection to One Dwelling PV System Capacity***			
		kWh per year	SAP Rating	EPC Band	kWp	SAP Rating	EPC Band	SAP Score Increase
		2B4P Top floor (SW corner)	1	1200	72	C	1.5	81
2B4P Top floor (SE corner)	1	1200	72	C	1.5	81	B	9
2B4P Top floor (NW corner)	1	1200	72	C	1.5	81	B	9
2B4P Top floor (NE corner)	1	1200	72	C	1.5	81	B	9
2B4P Mid floor (SW corner)	2	825	77	C	1	82	B	5
2B4P Mid floor (SE corner)	2	825	77	C	1	82	B	5
2B4P Mid floor (NW corner)	2	825	77	C	1	82	B	5
2B4P Mid floor (NE corner)	2	825	77	C	1	82	B	5
2B4P Ground floor (SW corner)	1	1205	72	C	1.6	81	B	9
2B4P Ground floor (SE corner)	1	1205	72	C	1.6	81	B	9
2B4P Ground floor (NW corner)	1	1205	72	C	1.6	81	B	9
2B4P Ground floor (NE corner)	1	1205	72	C	1.6	81	B	9
1B2P Top floor (E/W)	4	775	76	C	1	82	B	6
1B2P Mid floor (E/W)	8	500	80	C	0.5	82	B	2
1B2P Ground floor (E/W)	4	800	75	C	1	82	B	7
		14995	kWh / Year Total Requirement*		32.4	kWp Overall Array Required		

\* Approx. yield from 33kWp system as calculated using SAP methodology (pessimistic)

\*\* kWh per year required for ADLIA 2013 block compliance

\*\*\* kWp required per type to boost EPC rating to 'B'. Also sufficient to achieve ALDIA 2013 block compliance

### The Brief - Top Hat

The client approached us with the challenge of reaching EPC B for every flat in their development. They had exhausted all reasonable measures when they discovered the SolShare.

With the SolShare they were able to specify the precise kWp associated to each flat. This fidelity enabled them to add exactly the right number of SAP points to each flat to achieve the goal of EPC Bs throughout the building, for the lowest possible cost.

The client was extremely happy to be able to achieve the EPC B in a simple, low cost method.

### System Details

6 x SolShares  
connected to 90 flats

### kWp per flat

0.5 - 1.6 kWp per flat

### Price per flat

£750

### IMPACT IN NUMBERS

2-9

SAP points

7

tonnes of CO2  
avoided

43 - 56%

grid energy  
reduction

[CONTACT US](#) for a free assessment