

SolShare site suitability checklist

For SolShare system designers and installers

① TIP

This checklist is designed to be used in conjunction with Allume's other guides and documents.

The most up-to-date versions of all documents (including this document) are available in the Resource Library on Allume's website at <https://allumeenergy.com/uk/resource-library-uk/>.

① TIP

If you have any further questions, contact the Allume support team by phone on +44 20 8156 2818 or by email at uk.support@allumeenergy.com.

1. Building type suitability

Confirming that a building is a suitable type for SolShare is a critical step in project validation. A visual of the building will indicate if it is likely to have the appropriate electrical infrastructure (three-phase supply), for example from street view in Google Maps.

1.1. Some telltale signs that a building is suitable for SolShare:

✓	Communal entrance and corridors	Communal entrance/s and corridors would usually suggest a three-phase electrical supply from the DNO. A good rule of thumb to consider is if there are more than four flats behind one door.
✗	Street-facing front doors	When each flat has its own door to the street, it usually indicates that there is not a communal three-phase supply into the building.
✓	Good amount of roof space	A sizable, unobstructed rooftop is ideal to accommodate the solar panels that power the system.
✓	Deck access flats	Deck access flats are usually suitable. They may have some doors out to the street, but the communal areas will likely mean a three-phase supply.

1.2. Examples

✓ The below image shows a block of four flats with a communal entrance. This is a great sign that it will be suitable for SolShare.



✗ The below image shows each flat having its own door onto the street. This would mean that it is likely not suitable for SolShare.



✓ The below shows eight flats behind one door, likely to be suitable for SolShare.



✓ The below shows a deck access block of flats, likely to be suitable for SolShare.





2. Site visit notes

Item	Notes
Access instructions for site E.g. contact details of building manager, keys to electrical cupboards, access to roof or other important access areas.	
Three-phase electrical supply Does the building have a three-phase cut out or a multi-service distribution board?	
How many MSDB panels are there throughout the building?	
How many flats are connected to each MSDB panel?	MSDB 1 – MSDB 2 – MSDB 3 –
How many flats need to be connected to solar in the building? Note: Each SolShare must have at least one active connection on each phase. Not all flats need to be connected to SolShare.	
Where are the electrical meters located? E.g. co-located in a single common area, co-located throughout the building, in individual flats, or in corridor outside each flat	
Suitable physical locations for inverter/s and SolShare/s E.g. in electrical cupboard, in riser, on outdoor wall, in a cage in common walkway area, etc. Note: SolShare is rated IP65 and is usually best placed as physically close to the solar point of connection as possible.	
Details of any existing solar PV onsite E.g. size or kW PV, inverter make/model, any network protection already onsite, any SLDs, etc. Record the location of the existing inverter connection. Note: If integrating SolShare with an existing solar system, Allume recommends replacing the existing inverter for optimal performance. If the existing solar array is too large, consider if it can be divided to work with SolShare.	



Condition of roof and access options to roof E.g. condition may require structural engineering, waterproofing, Klip-lok, etc. E.g. access may require internal stairs, lifts, or if a scissor lift or similar would be required.	
Cable run options to solar point of connection E.g. risers available (and room inside them), outdoor cable runs, etc.	
Internet options E.g. onsite internet networks, existing Ethernet connections where a Wi-Fi router can be added, strength of cellular network (check specific network to be used) at SolShare / inverter installation location.	
Essential / life-support loads onsite E.g. any loads that would need to continually receive power during any shutdown while solar is installed.	

3. Appendix

3.1. Electrical supply

Pictures of three-phase cut out



Pictures of MSDBs

Look for an electrical enclosure that has multiple cables coming out to the flats.



3.2. Energy meters

Pictures of different energy meter locations

