SolShare checklist for quoting and site suitability

SolShare is the key enabling technology that allows multiple tenancies in buildings such as apartment buildings and office blocks to share the benefits of a single rooftop solar system.

This document provides a high-level checklist to help you ensure that SolShare is a good fit for a potential project. If you have further questions, contact your Allume Technical Partnerships contact or info@allumeenergy.com.au. Further technical information about SolShare and how it is installed can be found in the Allume Resource Library.

I/ Checklist

☐ All tenancies are on the same property title

☐ Site has three phase supply from grid/transformer into the property

☐ Building has unobstructed, accessible roof space suitable for solar panels (no significant shading, etc.)

☐ Building has access to bring solar panels to the roof, OR, that there is adequate space next to the building for a scissor lift or other method of bringing solar panels to the roof (and the owner/manager of that space is prepared to grant access to that space)

☐ Ideally, building is low or low/medium rise, with around 5-60 apartments (some buildings outside of these conditions may also be suitable)

☐ Electricity meters and Tenancy Main Switches (Normal Supply) for each unit and common light and power are ideally all co-located in the main switchboard (MSB), OR, alternatively, there are multiple distribution boards (DBs) with good access between them to lay cabling for SolShare (e.g., in established and easy-to-access risers)

☐ Wall space exists ideally adjacent to meter panel/MSB/DBs to mount SolShare/s. Other options for SolShare locations include electrical cupboards/rooms, risers, outdoor walls, on the roof, etc.

☐ A strong and stable 2.4GHz Wi-Fi network can be made available at the SolShare installation location/s (see SolShare Wi-Fi FAQs document for more information)

    ☐ If a router with 4G/cellular data is going to be used, suitable network coverage is available at the SolShare installation location/s for the network to be used

☐ Any additional requirements around installation configuration and/or interconnection have been confirmed for the relevant DNSP (see Allume's DNSP interconnection guide for more information)

II/ Site visit notes

Space has been provided to write additional notes during a site visit.

Item	Notes
Access instructions for site e.g., contact details of building manager, keycodes or key location, location onsite of MSB and stairs to roof or other important access areas	
Details of any existing solar PV onsite e.g., size or kW PV, inverter make/model, any network protection already onsite, any SLDs, etc.	
Condition of existing MSB e.g., available space in the MSB for CTs and Tenancy Main Switches (inverter supply) as part of a SolShare installation, will a switchboard upgrade be required?	
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.	
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 IP56 and is usually best placed as physically possible to the MSB or DBs as possible.	
Cable run options from roof to MSB / DBs e.g., risers available (and room inside them), outdoor cable runs, etc.	
Public Wi-Fi options e.g., owner's corporation onsite Wi-Fi networks, existing NBN 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.	

III/ Quoting a shared solar system with SolShare

Ensure you have considered these items when preparing proposals or quotations for multi-tenant solar customers:

Item	Required?	Impact to quote
Essential hardware costs (e.g., PV panels, racking, inverter/s, SolShare/s, cabling, cable trays/housing, switches, etc.)	Y	$
Labour to install	Y	$
Other hardware costs, e.g., solar optimisers for shading	Y / N	$
Lifting equipment, e.g., scissor lift, to get PV panels/inverters/SolShares on the roof, (e.g., scissor lift)	Y / N	$
DNSP application and administrative costs (e.g., interconnection application fees, special costs for negotiated contracts, witness testing fees, **COES per tenancy,** EWRs, etc.)	Y / N	$
Network protection (check local guidelines, typically required for sites exceeding total inverter capacity of >**30kVA** regardless of number of NMIs)	Y / N	$
Main switchboard (MSB) and/or distribution board (DB) upgrades (to bring up to code, to allow space for CTs and/or Tenancy Main Switches (normal supply and inverter supply), etc.)	Y / N	$
New walls/enclosures/cages/bollards/risers to mount or house any equipment (inverter/s, SolShare/s, cabling, etc.) safely and securely	Y / N	$
Costs associated with providing a Wi-Fi network (e.g., extending NBN cabling, Wi-Fi router, 4G modem, ongoing SIM plans, etc.)	Y / N	$
Back-up power options for essential / life-support loads during installation	Y / N	$
Any roof upgrades or construction work required	Y / N	$
Costs associated with Heritage Listing or similar protections (e.g., council applications, engineer or architect drawings, town planner approval, etc.)	Y / N	$
Upgrades to smart meters for each tenancy / common area power	Y / N	$
Other costs	Y / N	$