How to set-up/change SolShare Wi-Fi credentials

SolShare requires an internet connection to allow for commissioning and ongoing product support. This guide explains how to connect each SolShare to a Wi-Fi network.

I/ Wi-Fi requirements

- Wi-Fi frequency = 2.4GHz
- Data Usage = 200MB/month
- IPv4
- Permanent and stable internet connection

Wi-Fi router/dongle has permanent power source (i.e., it is not powered from the output of the inverter or solar side of the SolShare)

II/ Required tools

- Device (such as smart phone) with Wi-Fi connectivity
- Wi-Fi network credentials (SSID and password) of the network that you want to connect SolShare to
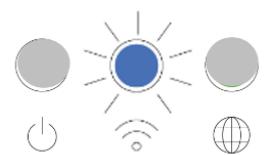
III/ Instructions

Prior to starting this process, ensure each SolShare has been wired up and powered up correctly, as per the SolShare Installation Manual.

A. Put SolShare into Wi-Fi access point mode

Press the button on the bottom of the SolShare until the Wi-Fi LED flashes blue.

SolShare is now in Wi-Fi access point mode.
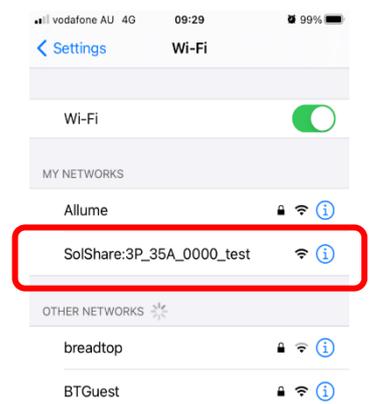
B. Connect to SolShare's Wi-Fi

Using your device, connect to the SolShare Wi-Fi network.

The SolShare's Wi-Fi network will be named:

SolShare:3P_35A_XXXX

NOTE: You have 5 minutes from pressing the button on the bottom of the SolShare to connect to SolShare's network.

NOTE: Your device may provide a pop up saying, "no internet connection". This is normal, click "accept" and continue.

C.   Configure SolShare's Wi-Fi

1. Open an internet browser on the same device that is connected to SolShare's Wi-Fi network and navigate to:

   192.168.4.1

2. Enter the details of the Wi-Fi network that you want the SolShare to connect to.

   NOTE: SSID refers to the Wi-Fi network name.

3. Click the green Connect button.

D.   Verify connection

The Wi-Fi LED should turn solid blue (within 30 seconds), and the Internet LED should also be blue if the connection is strong.

If this does not occur, see the Troubleshooting section.

IV/ Troubleshooting

A.   Wi-Fi LED is still flashing BLUE

If "Authentication for network with SSID: "<SSID>" failed" is displayed as shown, or you see a flashing blue Wi-Fi LED on the front of the SolShare after following the process above, this could mean:

- Details entered incorrectly (SSID or password)
- Wi-Fi network is not available

Ensure that the Wi-Fi network meets the key requirements:

- Wi-Fi network frequency = 2.4GHz
- Data Usage = 200MB/month
- IPv4
- Permanent and stable internet connection

Repeat the instructions above with the correct Wi-Fi credentials.
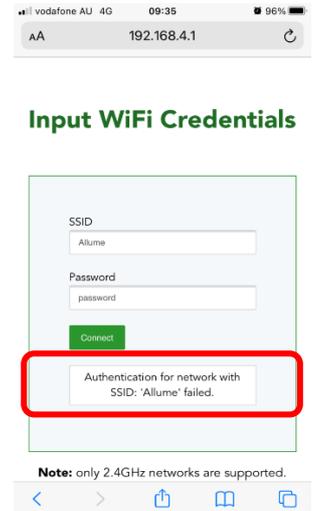
B.   Wi-Fi LED is BLUE, Internet LED is YELLOW

You have connected with the correct credentials to an available Wi-Fi network. However, this network either has no internet connection, or a very poor internet connection.

Fix the Wi-Fi network's internet connection issues (e.g., by restarting the router) – if they are resolved, the Internet LED on the front of the SolShare will turn blue.

SolShare should be allowed to initiate connections to **forwarder.allumeenergy.com.au** on the following ports:

- Port 1883 TCP
- Port 8883 TCP
- Port 8888 TCP
- Port 80 TCP
- Port 443 TCP

In addition, SolShare should be allowed to make DNS requests to 8.8.8.8 (port 53 UDP).