

# 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

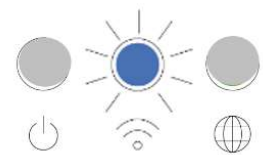
## III/ Instructions

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

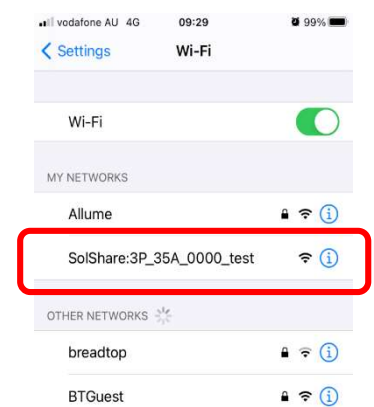
Using your device, connect to the SolShare Wi-Fi network.

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.



### Input WiFi Credentials

SSID

Password

Connect

**Note:** only 2.4GHz networks are supported.



## IV/ Troubleshooting

### A. Wi-Fi LED is still flashing BLUE

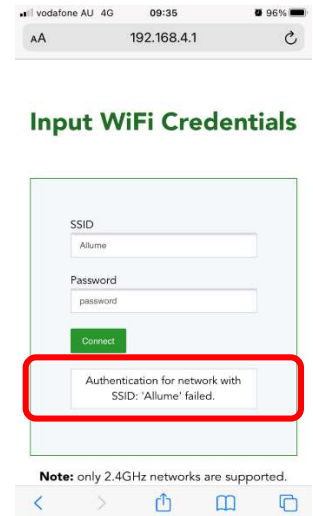
If “Authentication for network with SSID: “<SSID>” failed” is displayed as shown, or you see a flashing blue Wi-Fi LED on the front of the SolShare after following the process above, this could mean:

- 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).