After Installation *Instructions*

Your Partners in everything Solar.

EFS SOLAR

After Installation *Instructions*

Here are a few simple things to keep an eye on with your new solar system.

Your inverter is designed to operate automatically once commissioned, so in most cases your system will run day to day without requiring any action from you.

During daylight hours, the main thing to check is that the inverter is showing a solid green light. If the inverter displays a red light or an error code, this may indicate a fault with the system.

In many cases, restarting the inverter will resolve temporary faults. To safely restart the system, please follow the shutdown procedure located on the inverter.

SHUTDOWN PROCEDURE

1. Turn off the "Main Switch (Inverter Supply)" or A.C. isolator located inside the meter box or sub board.
2. Turn off the "PV Array D.C. Isolator" located next to the inverter.

WARNING: Do not open plug and socket connectors or the PV Array D.C. isolator while the system is under load.

WARNING: Please note that turning off the PV Array D.C. isolator does not de-energise the solar panels or associated cabling.

To restart the system, follow the above steps in reverse order.

If the fault is still showing once the inverter has fully restarted, please contact the EFS Solar support team on 1300 911 736 and we'll be happy to assist.

Understanding Your Inverter Display

One of the main readings to keep an eye on is "E-Today". This shows how much energy your system has produced for the current day.

As a general guide, a standard 6.6kW solar system may produce approximately 24 to 28kWh per day on average across the year, depending on weather conditions, panel orientation and shading. Production may be lower during overcast weather or winter months.

The "PAC" reading on the inverter display shows the amount of power your system is producing at that exact moment.

GOODWE MONITORING APP

The monitoring app for Goodwe Inverters is called "SEMS + (Plus) PORTAL". On the day of installation, our technicians will connect your inverter and create your monitoring account for you.

Your login details will generally be:

Username : The email address provided during the sales process
Password : The default password is typically “Goodwe2018”

For security purposes, we recommend updating your password after your first login.

SUNGROW MONITORING APP

The monitoring app used for Sungrow inverters is called “iSolarCloud”.

On the day of installation, our technicians will connect your inverter and complete the initial setup process.

Once setup has been completed, Sungrow will send your login details directly to the email address provided during the sales process.

MONITORING APPS

To complete setup of your monitoring app on the day of installation, someone will need to be home and able to provide the home Wi-Fi details for connection to the inverter.

If the inverter cannot be connected on the installation day and a return visit is required to complete setup, a service call fee may apply. Standard reattendance fees start from $150 and may vary depending on your location.

Please note that monitoring applications rely on the availability and stability of your home internet and Wi-Fi connection. EFS Solar is unable to guarantee the performance or reliability of third-party internet services.

NSW CCEW

Once your installation has been completed, your CCEW paperwork will generally be emailed to you within 14 business days.

Your electricity retailer may require the CCEW reference number to arrange your meter upgrade and solar connection approval.

Please note that it can take up to 48 hours for your retailer to register the CCEW within their system after it has been issued. We recommend contacting your electricity retailer 2 business days after receiving your CCEW to confirm the next steps and expected timeframe.

To help avoid delays, we recommend not changing electricity retailers until your meter upgrade has been completed.

Once your meter upgrade has been finalised, please ensure your solar system has been switched back on. If you are unsure, our support team is always happy to assist.

Depending on your electricity retailer, additional information may occasionally be requested as part of the connection process. If required, the EFS Solar support team will be able to help guide you through this.

Important Information

While we work closely with electricity providers throughout the metering process, the timeframe for meter upgrades and final approvals can vary depending on your energy distributor and retailer.

Once your meter upgrade has been completed, we recommend checking that your solar system has been switched back on and is operating normally. If you are unsure how to do this, please refer to the instructions earlier in this guide or contact our support team for assistance.

We hope you've enjoyed your experience with EFS Solar and thank you again for trusting us with your installation.

If you have any questions or need assistance with your system, our support team is always here to help.

Phone : **1300 911 736**
Email : ***support@efssolar.com.au***

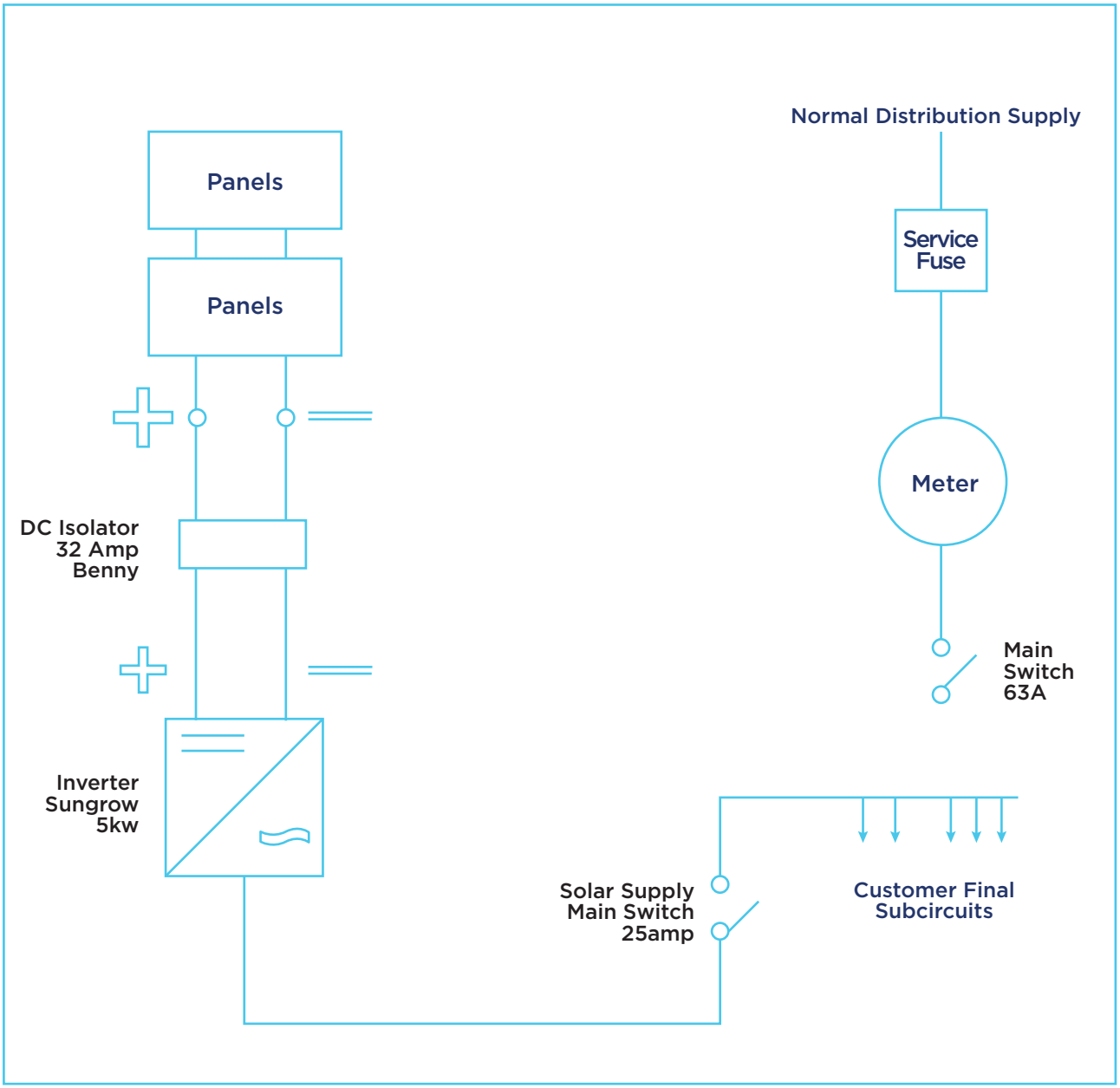
Maintenance *Schedule*

Please note that ongoing system maintenance is the responsibility of the homeowner. If you would like EFS Solar to carry out maintenance, servicing or inspections on your behalf, this can be arranged for an additional service fee.

Component	Maintenance	Frequency	Remarks
Site	Verify the following: (a) Cleanliness (accumulation of debris around or under the array). (b) No shading of the array.	Quarterly	Clean site as required
PV modules	Verify cleanliness (accumulation of dust or fungus on array).	Quarterly	Clean if necessary
	Check for visual defects including— (a) fractures; (b) browning; (c) moisture penetration; and (d) frame corrosion.	1 year	PV modules with visual defects should be further inspected for performance and safety to determine the need for replacement
	Inspect junction boxes for— (a) tightness of connections; (b) water accumulation/build-up; (c) integrity of lid seals; (d) integrity of cable entrance, glands and conduit sealing; and (e) integrity of clamping devices. Verify bypass diodes.	1 year	Replace defective seals, clamps and bypass diodes

Wiring Installation	Verify mechanical integrity of conduits	5 year	Replaced Damaged Conduit
	Verify insulation integrity of cables installed without conduit.	5 year	Replaced damaged cable
	Check junction boxes for - (a) tightness of connections; (b) water accumulation/build-up; (c) integrity of lid seals; (d) integrity of cable entrance and/or conduit sealing; and (e) integrity of clamping devices. Verify the following: (i) Blocking diodes. (ii) Surge arresters for degradation.	1 year	Replace defective seals, clamps blocking diodes and surge arresters
	Check connections for— (a) tightness; and (b) corrosion.	1 year	
Electrical characteristics	Measure open circuit voltages	1 year	
	Measure short circuit currents	1 year	
Protective devices	Verify integrity of fuses and fuse holders	1 year	
	Verify operation of CBS and RCDs	1 year	
	Verify operation of fault protection system	1 year	
	Verify operation of solar array isolation device	1 year	
Mounting structures	Verify tightness and integrity of bolts and other fastening devices	1 year	
	Inspect for corrosion	5 year	

Connection *Diagram*



System *Production*

EFS Solar can only guarantee the production of your system based on the daylight hours below, this does not take into consideration loss from shading.

CITY	1 kW	2 kW	3 kW	4 kW	5 kW	6kW
Sydney	3.9	7.8	11.7	15.6	19.0	23.4
Brisbane	4.2	8.4	12.6	16.8	21.0	25.2
Melbourne	4.2	8.4	12.6	16.8	21.0	25.2
Cairns	4.4	8.8	13.2	17.6	22.0	26.4

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