

7 Critical Steps to a

**SUSTAINABLE
AND SAFE SOLAR
ENERGY SYSTEM
PROTECTING
HOME, BUSINESS
AND FAMILY**



Your rooftop Solar PV System is a long-term investment and like all commitments of this kind, should improve your personal lifestyle and business success. It's about making the wisest investment in this sustainability solution, positively geared to maximise your return on investment and restore some security to what can often be an unpredictable environment. When it comes to determining which solar system design will deliver in all the ways it needs to, the key message to remember is that you don't have to buy off the shelf. You should have the freedom to work with your solar installer to design a system that is specifically matched to your exact needs and in line with your short and long-term goals. To ensure this is your final outcome, keep reading to learn more.



1

DOING THE SUMS

Accurate and complete financial projections will clearly outline the long-term financial returns from your solar system over a 25 - 40-year period. It is not enough to have calculated your current energy usage alone and compared this against your payback period. The only way to have a clear understanding of the long-term influence your new solar system is going to have on your finances. Is to also measure initial investment and maintenance costs against the monetary gains to be made over the years. This also allows you to be resolute in your final system choice, knowing that you have paired the best possible system to your long-term goals and enjoy the feeling of clear thinking and security that comes with this.



2

WHERE IS YOUR AIR?

Landscapes and weather patterns differ all around the country and each of these particular environments call for a particular solar solution approach. To ensure that it is built to function at peak capacity, last at least 25-years and not break down, be aware of environmental factors that can degrade your system. Many residents who live near beaches have found that their solar system frame becomes compromised by corrosion. 2 years is a long time to withstand the elements and in these cases it will be important to assess the value of a custom design that provides anodised, corrosion resistant frames. No matter where you are, take extra care to ensure the longevity of your system.



3

IT'S NOT A MUUMUU

We should never attempt, even loosely, to dress Solar in a one size fits all philosophy. In fact, any installer who tries to convince you to do so has an agenda to push, a particular product to move, instead of designing the system that is exactly right for you. There are differences between microinverters and string inverters that should be considered relevant to your needs. In some locations, ACPV systems and their associated AC cabling can make your solar system safer by eliminating the presence of high voltage DC current and providing for a complete system shutdown in the event of an emergency. You may need to consider extra precautions against weather hazards in your area, while others require commercial solar solutions or perhaps how battery storage is going to fit into the picture now or down the line.



The background of the slide is a warm, golden-hour photograph of a room. Several hanging plants in white pots are suspended from the ceiling. Interspersed among the plants are several glowing, warm-toned pendant lights. The overall atmosphere is cozy and well-lit.

4

4. FROM LITTLE THINGS, BIG THINGS GROW

The buzz words most of have heard well before deciding to invest in a solar system are Panels and Inverters. They are the starring front of house components, however, behind, between and within the shimmer and shine are the smaller components. Connectors, frames, isolators, wiring and more each play a pivotal role in the performance and longevity of your system. At worst, a sub-standard component can cause a fire in your home or business. At best, you're faced with precious time spent navigating a warranty claim, that will also often include you wearing the cost of repair, along with downtime in your system. While it is Solar, at the end of the day it is still electricity and even the smallest components need to be manufactured to a high standard.

5

WHO CAN YOU TRUST?

Many companies sub contract the work to an unrelated company. It is important to know who that will be, what their experience is in solar and how you will be able to follow up with them if something goes wrong. What assurances does the company you are purchasing from give you in relation to the work being done on the roof of your home? Ask for the Installers accreditation number, how many installations they have done, how long they have been in business and how long have they been installing. Sometimes long-term businesses set up a solar arm, however, just because they have been around a while doesn't mean they are experienced in Solar.



6

KEEPING STANDARDS HIGH

Australian Standards recommend annual maintenance to keep your solar system performing safely and efficiently. Some companies will ask you about maintenance and service history if you do need to make a claim against your warranty. The company you are purchasing from should let you know what their maintenance options are and how they intend to help you care for the system you purchased.



7

FUTURE-PROOF YOUR INVESTMENT FOR FUTURE GAINS

The solar industry is growing day by day, technologies are advancing and like anything else new options are opening up all the time. Be sure your solar company has taken your future needs into account. Have you discussed the potential for energy storage options in the future? What happens if your energy needs grow and you need a bigger system? Checking into this now will make sure you have a long-term energy plan in focus before you start.



MV Solar is a multi-award winning, solar and electricity provider servicing the Hunter Valley, Central Coast and Sydney regions, dedicated to providing quality solar partnership solutions. 100% Australian owned and operated and with more than 30 years in the electrical and solar industries, we have become our region's solar design and installation specialists. We are excited to continue building lasting relationships with families and businesses who are committed to investing in and futureproofing their homes and lifestyles. For any questions, don't hesitate to get in touch with us today.



info@mvsolar.com.au



+61 1300 861 737



www.mvsolar.com.au

