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EXPERT ELECTRICAL
TASMANIA

The Basics

To know what system size you may need, the best way to start is to look at your electricity bill. As a rough guide, for every $100 you spend on average in a quarter you would require roughly 1.1 kWh of solar. Having a larger system allows you to sell the extra energy back to your provider. Our systems can pay for themselves within 3.5-6 years.

"Salesmanship" and Our Selected Products

Notice how every system on the market is "premium" or "tier 1" or "diamond" etc… We all know the game here, and you do too. We offer an entry level but we mostly install our two high quality systems from Tindo and Phono. We strongly recommend our SMA inverters for all our systems. Here are some of the most important metrics to bear in mind for all systems, and our products details are as follows:

Product		Made in	Product Warranty	Power Output Per Panel	Annual Decline	Performance Warranty	Efficiency at PerW End
Panels	Tindo	Australia	25 Years	405 Watts	0.6%	25 Years	>80.00%
	Phono	China	25 Years	390 Watts	0.45%	30 Years	84.95%
Inverters	SMA Sunny Boy	Germany	10 (+5) Years				
	Goodwe	China	5 (+5) Years				

Product vs Performance Warranty and Why it Matters

Product warranty will provide you with replacement products, parts and cover the repair costs of labour. Performance warranty is different. The panel producer guarantees a certain efficiency after 30 years but, past the product warranty you have to prove the inefficiencies to the producer (at your expense). Furthermore, if you have not maintained the product as to their required standard with regular and certified servicing, post product warranty at your expense, this guarantee is void.

Consider these factors when thinking about how long you will own the system for and panel would best suit you. The longer product warranty is tied into the cost of the high grade systems and might be worth your while for the time you own the system.

Our Popular Systems

6.6 kWh This system is the minimum size we offer because it maximises the rebate programs, strangely enough a smaller system can become more expensive for you. If your average bill is less than $600 then this system would work well.

7.7 kWh This system is slightly larger, requires more panels, and generates more energy. If your average bill is less than $600 but are thinking of later installing a battery or buying an electric vehicle in the near future this system will manage this nicely. If your current bills are over $700 on average this system will take a massive amount off.

13 kWh If your household are heavy electrical users and your average quarterly bill is over $800 and you are thinking about electric vehicle purchase(s), this is the system for you. This system largely resembles two 6.6 systems and requires double the roof space. This can require engineering if the panels are all being placed on one roof structure.

Energy Providers and Tariffs

No matter what system you choose, we recommend changing your energy provider to 1st Energy. While Aurora does offer their customers a per kWh buy back from a solar system; 1st Energy on the other hand typically offers a slighter higher buy back rate from a solar system vs Aurora pricing.

With regards to tariffs, there are two we recommend from 1st Energy. Tariff 31/41 will work out cheapest for your household if you use most of your energy outside of the typical 9 to 5 monday to friday. Tariff 93 is good if you use, or can use, most of your household energy during the typical 9 to 5 monday to friday. This works well for those of you that work from home, the system is on a holiday shack, or are retired.

Batteries. Yes, no, maybe…?

There are a few things to understand first. They are expensive, and remain the same price as ten years ago, but their capacity and efficiency has greatly increased since. They provide a good store of energy to use when black outs occur. If you are thinking of purchasing an electric vehicle a battery can help with your energy management. You would likely need to replace it in 10-15 years. Our SMA inverters allow for quick and easy battery integration at a later date. They can pay for themselves after about 9 years.

They are not a must for most people but some people want the security they offer. Others want to be able to manually manage their energy use, storage, and sale which can be made easier with one.

Hopefully this has helped you, Expert Electrical Tasmania.
"The Best in the Business"