

CREATE YOUR OWN RELIABLE POWER GRID

SkyBox makes getting electrical power 'off-grid' easy.



Expandable



Plug + Play*



Local support with  SkyCare™



SIMPLE OFF-GRID SOLUTIONS

SkyBox gives
everyone freedom
and independence
from the power grid.



Acting as a central 'brain,' the SkyBox manages incoming power from your solar, wind, or hydro generators.

Balancing these power sources and storing excess energy in the internal batteries, SkyBox creates a reliable off-grid electricity supply.





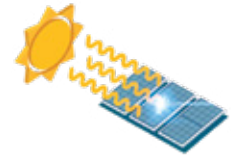
SKYBOX

10 powerful features



Independence from the grid

The SkyBox replaces grid connection supply and provides total independence from the grid.



Wide range of compatibility

Automatically manages energy input from solar, wind and hydro sources gives limitless potential.



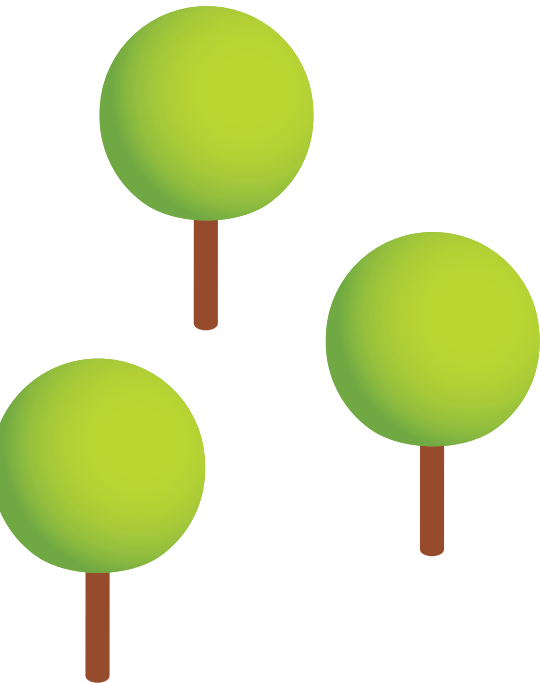
10-year replacement warranty

The SkyBox comes with a massive 10-year warranty.



Get to know the SkyBox range

Different model sizes are available based on your power requirements.



THE SKYBOX RANGE





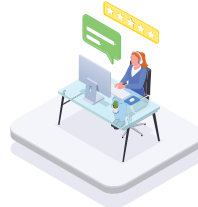
Huge storage capability

It stores power for later use for up to 100kW/h, so you're never in the dark.



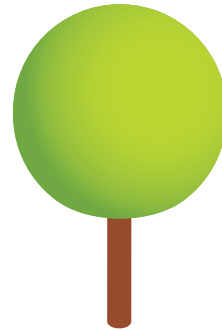
No assembly required

The SkyBox comes prewired and preprogrammed for easy installation.



Best off-grid aftercare in Australia

Sky Energy provides SkyCare, an aftercare service, optional remote operating features and monitoring, and a 10-year cost recovery warranty.



Future proof with easy expandability

If more power is needed, it is simple to add on, making it the most flexible and future proof option.



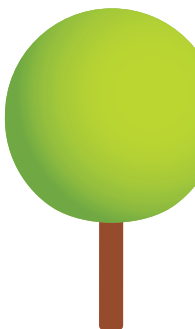
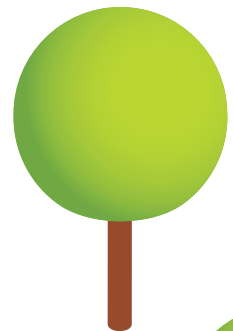
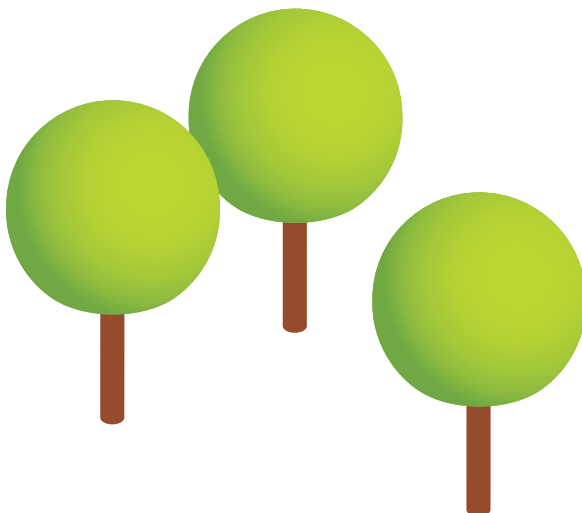
Plug and play install for electricians

The great thing about the SkyBox is that your local sparky can install it, and they don't require an off-grid licence to do so.



Proudly Aussie made

Every SkyBox is put together and tested by our engineers in our headquarters in Victoria before being shipped out.





Experience living completely off the grid—with the luxury of being on the grid!





SkyBox is built Aussie tough

The SkyBox is designed for both indoor and outdoor use and provides enormous battery capacity in one cabinet.

Rigorously tested in the demanding Australian conditions, so you know it will handle everything you throw at it and more. Meaning you can enjoy all the luxury of being on the grid while being off-the-grid! When you want to expand, simply add more batteries to suit your storage requirements.

SkyBox Features

Solar Compatible

The skybox can be used in off-grid scenarios utilising both solar charge controllers or grid tie inverters.

No Break Supply

The SkyBox takes over the supply to the connected loads in a grid failure or when generator power is disconnected. This happens so fast (less than 20 milliseconds) that computers and other electronic equipment will continue to operate without disruption.

Off-Site Monitoring

When connected to the internet, SkyBox can be accessed remotely, and settings can be changed.



Maximum Power

Up to 6 SkyBoxes can operate in parallel to achieve higher power output. Six units, for example, will provide 25 kW / 30 kVA output power with 420 Amps charging capacity. In addition to parallel connection, three units of the same model can be configured for three-phase output. But that's not all: up to 6 sets of three units can be parallel connected for a 75 kW / 90 kVA inverter and more than 1200 Amps charging capacity!

**Based on 5kVA model.*

SkyCare™ Monitoring

Our free remote monitoring app will display all your system data in a comprehensive graphical format. System settings can be changed remotely via the portal. Alarms can be received by e-mail.



Power your home.
Your shed.
Or both.



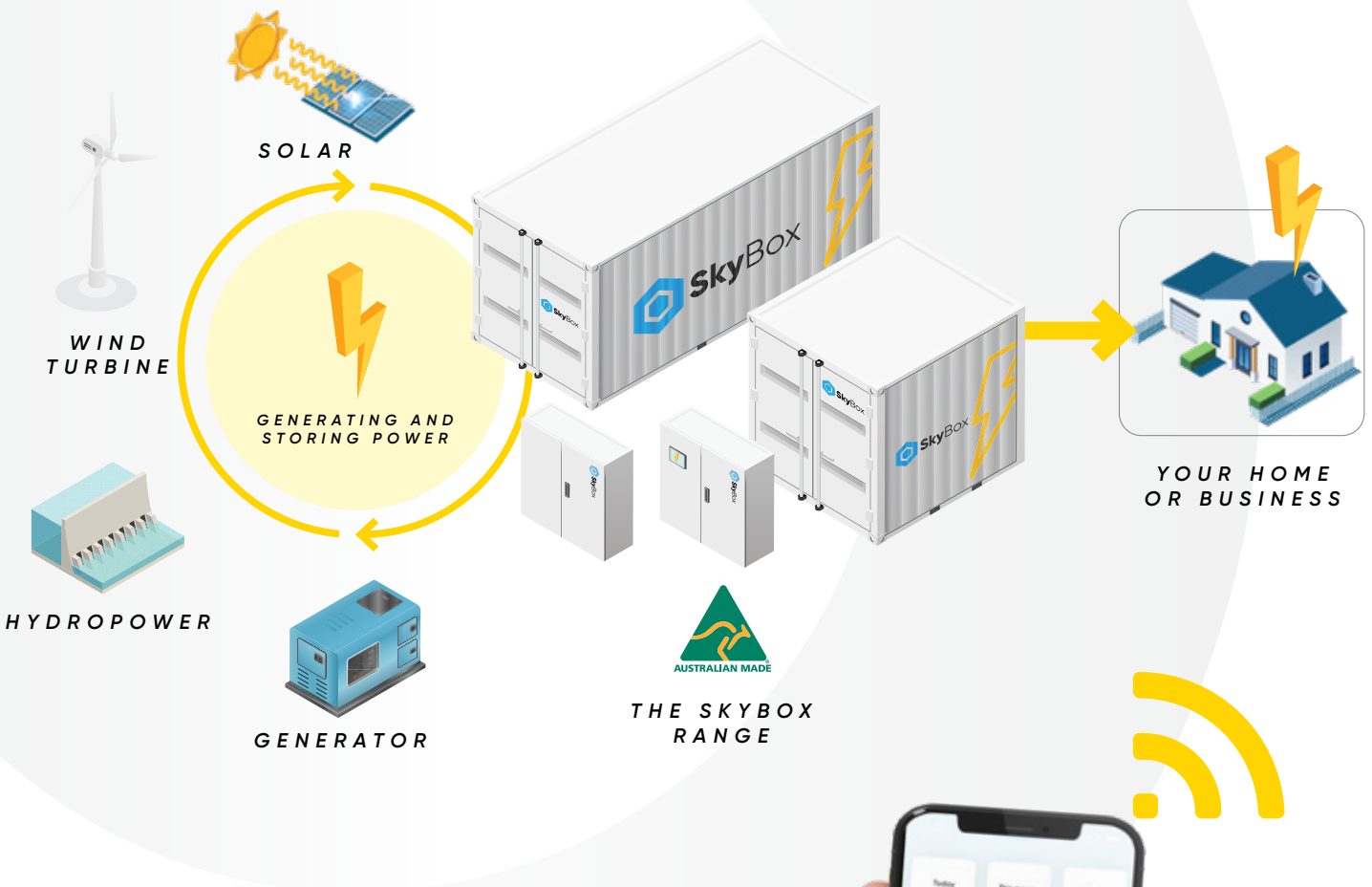


The ultimate flexibility for off-grid power solutions and backup.

Choose your power sources, and SkyBox will create a virtual power grid for your home during blackouts and in off-grid applications.

The Brains of the system, the SkyBox, acts as a conductor in the orchestra. It balances and manages power flow from your selected power source and provides a steady 230V of electricity to your home or business.

You can expand your SkyBox as your needs change and grow, delivering you outstanding flexibility and peace of mind.



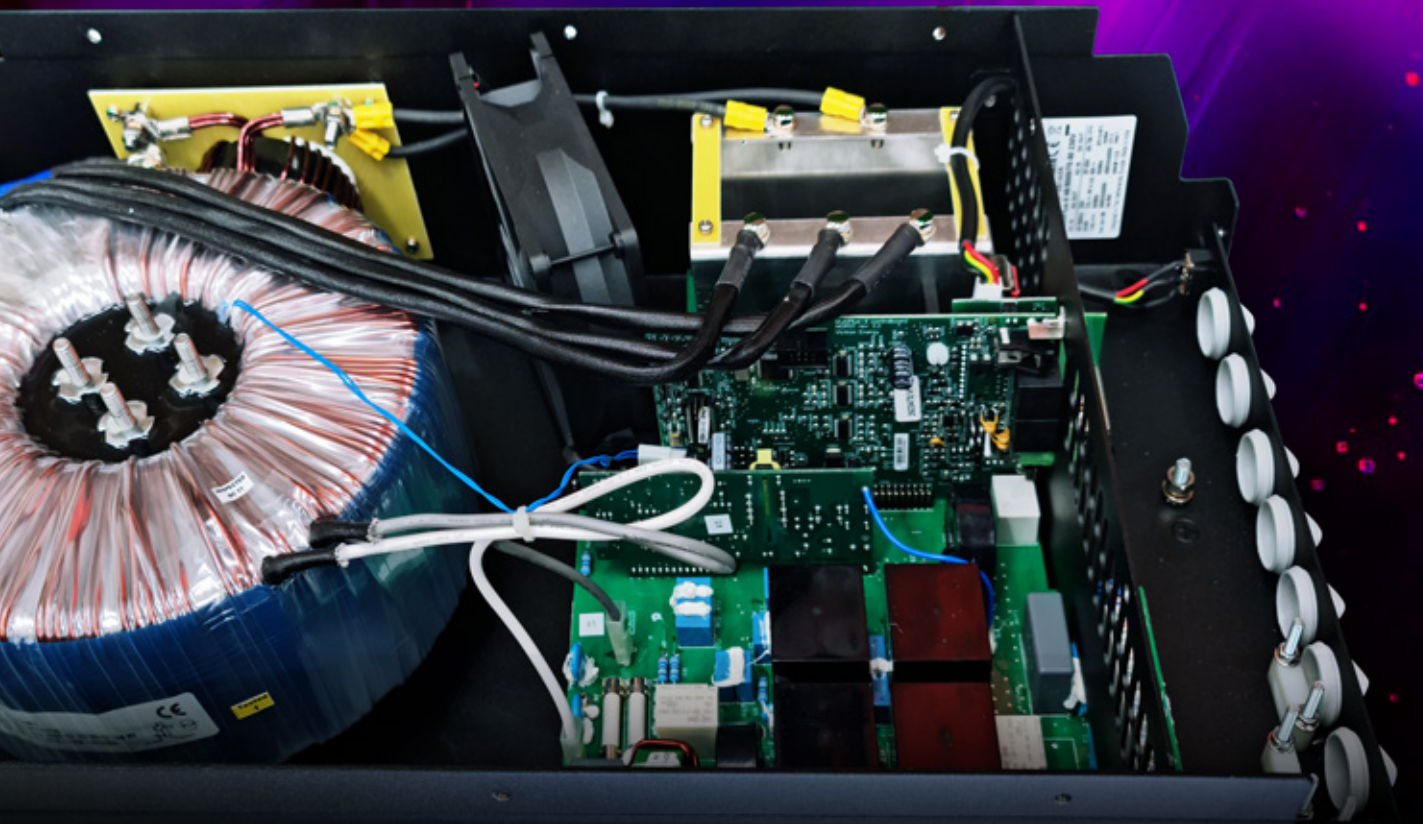
Monitoring

No matter if you're on the move working hard, or relaxing on your couch. With our specifically designed monitoring app, you have the power to see what's going on anytime, anywhere, as long as you have 4G connection.



The powerful core of your SkyBox.

- ✓ Lithium Model
- ✓ Up to 30.72kWh per SkyBox
- ✓ Up to 18,000W Peak Output
- ✓ -10° to 50° Operating Temperature
- ✓ 10 Year Warranty





Plug and Play.



01. Customize

Get the maximum potential out of your SkyBox when we customise it for your lifestyle and usage.



02. Build

Our team of electricians and engineers carefully build a SkyBox to your specifications and test thoroughly.

Then it's a teary goodbye as the SkyBox leaves our Victorian headquarters as it begins its adventure to its new home.



03. Install

Your SkyBox arrives safely to your property, then simply ask your local sparky to come and plug it in. Start powering your life!

Easy connection



Energy Source in



Power out

OFF GRID SPECIFICATIONS



SkyBox gives everyone freedom and independence from the power grid.

Acting as a central 'brain,' the SkyBox manages incoming power from your solar, wind, or hydro generators.

Balancing these power sources and storing excess energy in the internal batteries, SkyBox creates a reliable off-grid electricity supply.



5kVA

8kVA

10kVA

Transfer Switch	50A	100A	100A
Max AC Input (A)	40A	50A	50A

INVERTER

Output (V)	Output Voltage: 230VAC. Frequency 50Hz		
Cont Output at 25°C (VA)	5000VA	8000VA	10000VA
Cont Output at 25°C (W)	4000W	6400W	8000W
Cont Output at 40°C (W)	3700W	5500W	7000W
Cont Output at 65°C (W)	3000W	4000W	6000W
Max Apparent feed-in power	5000VA	8000VA	10000VA
Peak Power (W)	6000W	12000W	12000W
Maximum efficiency	96%	95%	96%

SOLAR

Max Output Current	100A	100A	100A
Max PV Power*	8800W	8800W	8800W
Max open circuit voltage (Pylontech/BSL)	408V/438.4V	408V/438.4V	408V/438.4V
Max PV Short Circuit Current	20A	20A	20A
Efficiency	96%	96%	96%
MPPTs (Strings per tracker)	2 (1+1)	2 (1+1)	2 (1+1)

BATTERIES

Nominal Voltage	48V		
Nominal Capacity (Wh)	4800 (Wh) multiplied by number of modules	5120 (Wh) multiplied by number of modules	
Usable Capacity (Wh)	4560 (Wh) multiplied by number of modules	4966 (Wh) multiplied by number of modules	
Max No. Modules (Single Unit)**	6	6	6
Max Capacity (Single Unit)	<i>PYLONTECH</i>	<i>PYLONTECH</i>	<i>PYLONTECH</i>
	28.8kWh	28.8kWh	28.8kWh
	<i>BSLBATT</i>	<i>BSLBATT</i>	<i>BSLBATT</i>
	30.72Wh	30.72Wh	30.72Wh
Working Temperature	0°C–50°C		
Design Life	10+ Years		
Cycle Life	>6000 Cycles		
Authentication Level	IEC62619/CE/UN38.3		
Warranty	10 Years to 60% retention		

MONITORING

WiFi	Yes		
Ethernet	Yes		
4G LTE	Included	Included	Included

ENCLOSURE

Colour	White		
Protection Category	IP54		
Dimensions (h x w x d)	1072 x 1354 x 601	1072 x 1354 x 601	1072 x 1354 x 601

* The SkyBox can accept 8800W of solar and may only produce, as specified by the manufacturer, 5800W at one time.
 ** Single Unit refers to one SkyBox, up to 12 additional battery stacks can be added to a SkyBox to increase battery capacity up to over 300kWh
² Size is an approximation only and may vary depending on parts available
³ Size of cabinets is an approximation only and may vary depending on stock available and size of system Off-Grid Certified meaning the SkyBox has capabilities for renewable energy and generator inputs. SkyBox creates a power supply where no grid input or referencing is required.
⁴ Subject to change.



Blackout protection? No worries.

We built the SkyBox around reliability so you can live comfortably. Never worry about being stuck in a blackout. You'll be able to power your home from the renewable energy source and battery system, keeping everything running.

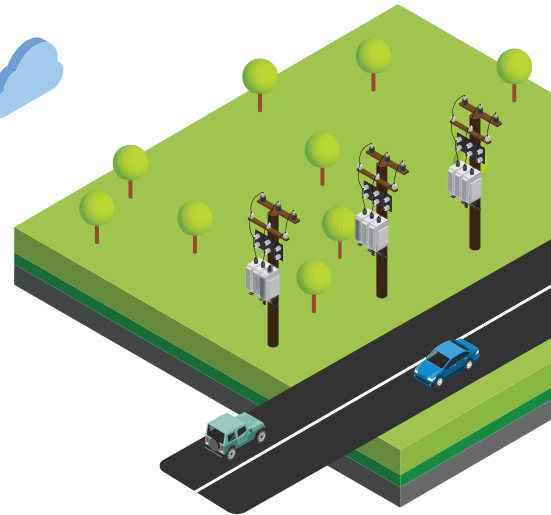




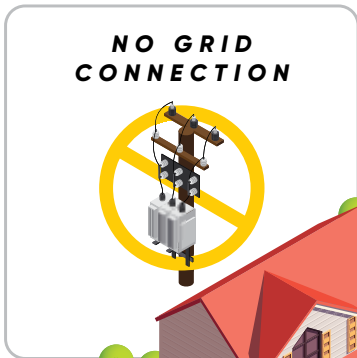
CASE STUDY

Meet Tom and Martha

Tom and Martha live in beautiful rural Victoria with their two dogs Ben and Jerry. Surrounded by stunning views, their newly built dream home contains a couple of big water tanks and a whopping sized shed that Tom could use as a workspace. All that was missing was a reliable power source.



Their nearest power line is a fair way down the road, and connecting their house would cost a small fortune, not to mention paying the ever-increasing electricity bills on top of that year after year. Their other choice was to go entirely off-grid with solar.

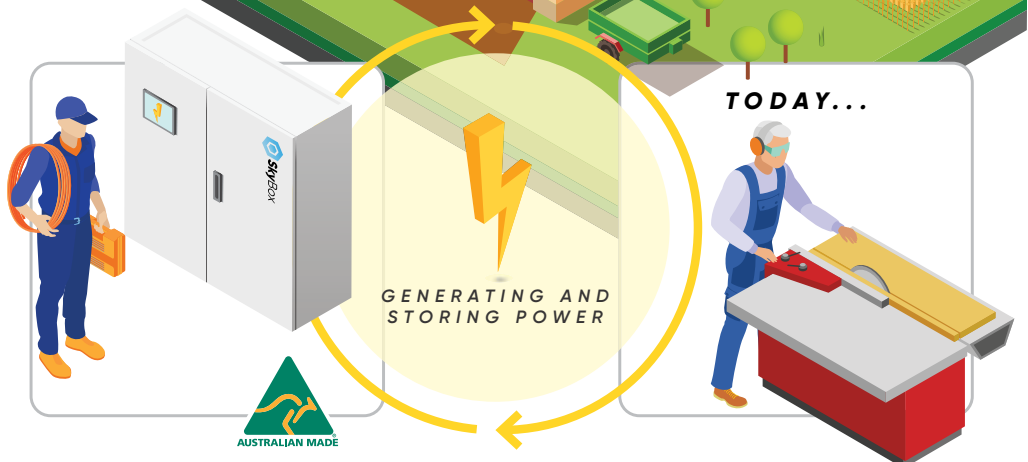


That's when they discovered SkyBox, the powerful plug and play off-grid battery system that connects to any solar system or a generator, to give full seamless off-grid energy. The SkyBox produces so much energy that Tom and Martha feel like they're living on the grid.



Tom and Martha had the SkyBox delivered to their property and simply asked their local sparky to come and install it. Within a few weeks from the initial call to SkyEnergy, they now have unlimited power.

The shed is connected and enables Tom to work late into the night until Martha drags him inside. **Now they're producing enough power to send back to their home and run the whole property off-grid!**



AUSTRALIAN MADE

Keep your tiny home powered with the SkyBox.

Our engineers' outside-the-box thinking has enabled us to develop an off-grid solar solution that fits in one compact box. Offering robust and efficient performance, it's the perfect match for our tiny home customers.

Simply add on to the original SkyBox if more power and storage is required. The best part is if you wish to relocate your tiny home, the SkyBox is quick and easy to connect and disconnect. Your local sparky can help you with this, no worries.



OFF GRID SPECIFICATIONS



FEATURES

Protection Built to IP54 protection standards

Standard IEC62208, IEC/EN/AS60529

Material Body: 1.5mm galvanised steel sheet
 Gland Plate: 1.5mm galvanised steel sheet
 Door: 1.5mm galvanised steel sheet
 Device Mounting Plate: 1.5mm galvanised steel sheet
 Seal: EPDM Rubber

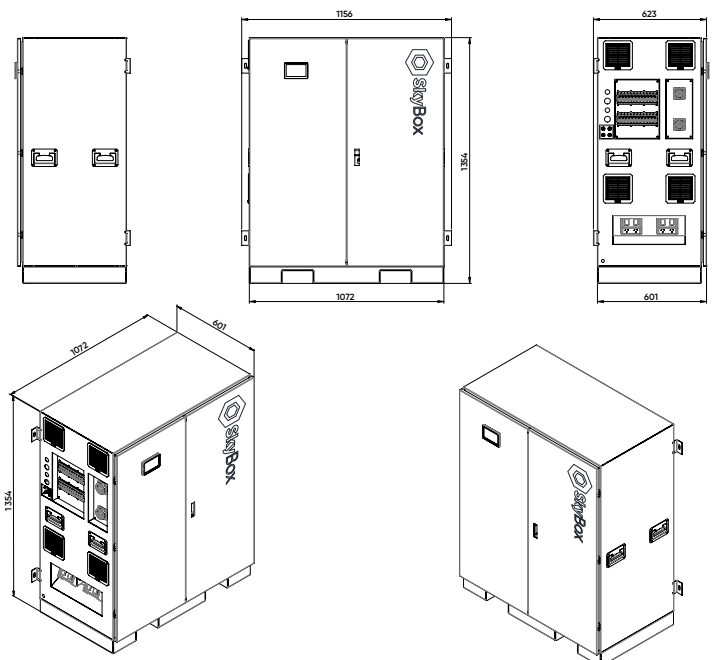
Body The robust monoblock body is fabricated using 1.5mm galvanised steel sheet. Flat face sealing surfaces are provided to increase seal life. Pre-fitted blind nuts are incorporated to accommodate mounts and accessory fasteners to eliminate drilling and retain IP rating. Integral device plate mounts and M6 earth stud is provided.

Double Doors The robust surface mounted door is fabricated using 1.5mm galvanised steel sheet and incorporates concealed removable hinges with captive pins. The door is designed for a 110° opening. Each door contains integral cable management rail studs, M6 earth stud.

Seal Pinchweld EPDM replaceable seal

Lock 3 point locking system with key-lock swing handle.

DIMENSIONS





FAQs

What is a SkyBox?

SkyBox is a solution to make getting electrical power 'off-grid' easy. In the past, you'd have to pay up to tens of thousands to run cables to your home or property; SkyBox solves that and doesn't require an off-grid qualified electrician to install. Since any electrician can install it, you can save thousands compared to installing an off-grid solar system through an off-grid installer or provider.

Who can install the SkyBox for me?

Any licensed electrician can install the SkyBox.

What power inputs will the SkyBox recognise?

The SkyBox can draw power from any wind turbine, water generator, solar or another power source. As long as that power source is installed via an AC Couple to the home, SkyBox will automatically detect the excess power and charge the batteries.

What is SkyCare?

SkyCare is a support team based in Victoria that you and your electrician can call with any technical questions about the SkyBox, this ensures you have an award-winning team behind your off-grid installation to ensure you have peace of mind with your off-grid power setup!

I have a generator in the shed, can I hook it up to the SkyBox?

Yes, though the SkyBox has specific requirements around voltage and receiving 'clean' power from a generator, as long as your generator puts out 50Hz and close to 240V, then it can easily be plugged into the SkyBox. SkyBox is pre-programmed for this feature, to make it easy.

Can it charge my electric car/tractor?

Yes, the batteries can be connected to a charger and then charge vehicles and appliances.

If I want to move my shed in 12 months is it easy to shift the SkyBox?

The SkyBox is easy to install and easy to uninstall by a licensed electrician, this means you can shift the SkyBox as you require.

Do any rebates apply to the SkyBox?

Depending on the region and state your SkyBox may be eligible for government subsidy.

Can I install the SkyBox outside?

Yes, when the door is closed and the cables are installed according to the instructions, the SkyBox carries an IP55 rating, meaning it is weather resistant.

Can SkyBox deliver 3 Phase power?

SkyBox can give your home three-phase capabilities, for those who need some extra juice, this is entirely possible and easy to do. We program everything for you before it leaves our warehouse, giving you easily installed, three-phase off-grid or backup power.

What's the depth of discharge of the batteries?

The Lithium batteries in the SkyBox have a 95% depth of discharge. This means you can use 95% of the stored power within the batteries. This is compared to the 60% usable capacity you usually get when using products like lead-acid batteries off the grid. This gives you a lot more endurance and power capacity.

Can I expand the SkyBox down the track?

Yes, you can expand the Sky Box's capabilities almost to infinity and beyond.



ABOVE: THE TEAM AT TATHRA ECO CAMP STANDING IN FRONT OF THEIR SKYBOX



ABOUT SKY ENERGY—THE TEAM BEHIND THE SKYBOX

We're here to help take Australia "off-the-grid".

Sky Energy was founded by two electricians who had been installing solar for years, they did their apprenticeships in solar, even their dad did solar.

With their vision of taking everyone off the grid, the concept of the SkyBox was born. After many years of design and development, the SkyBox is now a reality.

Powerful, reliable and most of all expandable.

Over time the Sky Energy team has grown to about 25 equally passionate individuals who all love renewables and exist to give our customers the best experience and break new ground in the renewable industry.

BELOW: ROSS AND COREY TESTING A SKYBOX BEFORE IT GETS SHIPPED





If you have any questions or are ready to build your very own SkyBox, please contact us today.

With the help of our SkyBox sales team and engineers, we will custom build a reliable future proof solution together. Get ready to power your life with the SkyBox.

Phone:

1300 787 488

Email:

team@skyenergysystems.com.au





[SKYENERGY.COM.AU/SKYBOX](https://www.skyenergy.com.au/skybox)

DESIGNED AND DEVELOPED BY  SkyEnergy