SkyBox

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.
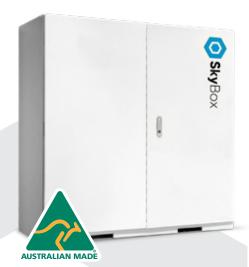
AUSTRALIAN MADE

10 YEAR
★ ★ ★ ★ ★
W A R R A N T Y

+++
EXPANDABLE

OFF-GRID C E R T I F I E D
POWERED BY SkyEnergy

	5kW	8kW
Transfer Switch	35A	50A
Max AC Input (A)	35A	50A
I N V E R T E R		
Output (V)	Output Voltage: 230VAC. Frequency 50Hz	
Rated AC Output Active Power (W)	5000W	8000W
Max AC Output Active Power (W)	5500W	8800W
Peak Power 10s (W)	6000W	12000W
Max AC Output Current (A)	21.7A	34.8A
Maximum efficiency	97.6%	97.6%
C H A R G E R		
Max Charging Current	120	190
Max Discharging Current	120	190
S O L A R		
Max PV Power*	7500W	12000W
Max Open Circuit Voltage	500V	500V
Max PV Short Circuit Current	19.5A	39A
Efficiency	99.9%	99.9%
MPPTs (Strings per Tracker)	2 (1+1)	2 (2+2)
B A T T E R I E S	*P Y L O N T E C H*	*B S L B A T T*
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	6	6
Max Capacity	*P Y L O N T E C H* 28.8kWh	*P Y L O N T E C H* 28.8kWh
	B S L B A T T 30.72Wh	*B S L B A T T* 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	
M O N I T O R I N G		
WiFi	Yes	
Ethernet	Yes	
E N C L O S U R E		
Colour	White	
Protection Category	IP54	
Dimensions (h x w x d)	1072 x 1354 x 601	1072 x 1354 x 601

*   Additional Solar power can be connected, the SkyBox will only utilise the specified amount

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.

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F E A T U R E S

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 nutserts 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.

D I M E N S I O N S