

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)	PYLONTECH	PYLONTECH	PYLONTECH
	28.8kWh	28.8kWh	28.8kWh
	BSLBATT	BSLBATT	BSLBATT
	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)	1354 x 1072 x 601	1354 x 1072 x 601	1354 x 1072 x 601

¹ The SkyBox can accept 8800W of solar and may only produce, as specified by the manufacturer, 5800W at one time.
² 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
³ Size is an approximation only and may vary depending on parts available
⁴ 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.
⁵ Subject to change.



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 Pinch weld EPDM replaceable seal

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

DIMENSIONS

