

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.



SBX5.0

SBX8.0

SBX10.0

Transfer Switch	50A	100A	100A
Max AC Input (A)	40A	50A	50A
Max Charge Power (from AC)	3300W	5280W	6720W
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)	9000W	15000W	18000W
Maximum efficiency	96%	95%	96%
SOLAR			
Max Charger Current	100A	100A	100A
Max PV Input Power*	T200	T200	T200
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)	2 (1)	2 (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 28.8kWh	PYLONTECH 28.8kWh	PYLONTECH 28.8kWh
	BSLBATT 30.72Wh	BSLBATT 30.72Wh	BSLBATT 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

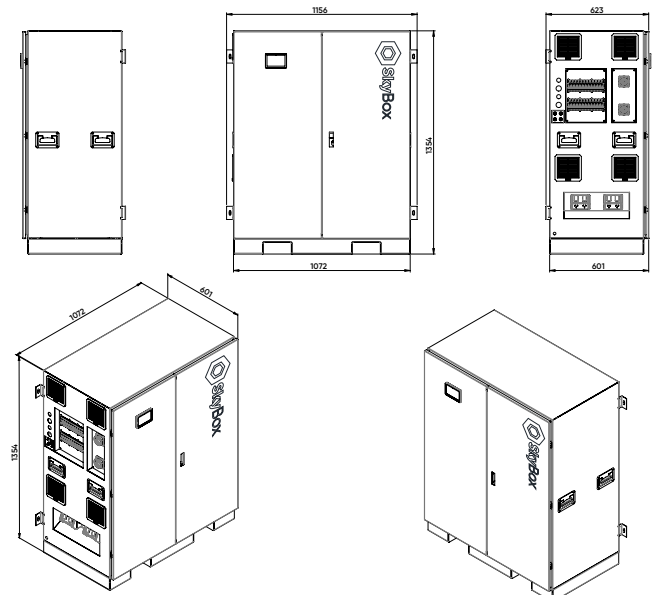
Body The robust monoblock body is fabricated using 1.5mm galvanised steel sheet. Flat face sealing surfaces are provided to increase seal life. Pre-fitted blind nutserts are incorporated to accommodate mounts and accessory fasteners to eliminate drilling and retain IP rating. Integral device plate mounts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

DIMENSIONS (5kVA, 8kVA and 10kVA MODEL)



OFF GRID SPECIFICATIONS



SkyBox+ gives everyone freedom and independence from the power grid.

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SBX15.0

GENERAL

Integrated Transfer Switch	✓
Maximum Feed Through Current (A)	63
Max Charge Power (from AC)	6720W

INVERTER

Output (V)	230
Cont Output at 25°C (VA)	15000
Cont Output at 25°C (W)	12000
Cont Output at 40°C (W)	10000
Cont Output at 65°C (W)	7000
Peak Power (W)	19200

SOLAR

	450/200	250/100
PV Input	✓	✓
Number of Chargers	1	2
MPPT Trackers (Inputs)	4 (4)	2 (4)
Maximum Charge Power (W)	11500	
Maximum PV Input (W)	23000	
Maximum DC PV Voltage (V)	450	250
Start-up Voltage (V)	120	50
Max. PV Short Circuit Current (A)	80 (4x 20A)	70 (4x20A)
AC Coupled Solar Maximum (W)	12000	

BATTERY

No. of Batteries	10 US5000 or 9 BSL
Minimum Size (kWh)	15.36
Maximum Size (kWh)	48
Battery Type	LFP
Depth of Discharge	95%
Cycle Life	>6000 @ 25°C

EXTRA FEATURES

External Distribution Board	✓
External PV Input (with isolators)	✓
In Built Cooling	✓
4G Communication	Victron LTE

DIMENSIONS

Dimensions (h x w x d)	1802 x 1757 x 597
Weight (Approx - Exl. batteries)	400
IP Rating	IP54

