

Four Reasons to Choose SkyBox from OutBack Power:

1. RESILIENCE

- Extensive quality and reliability testing, including Highly Accelerated Life Testing (HALT)
- Years of experience manufacturing products for fault intolerant, mission-critical applications
- Standard 5 year warranty (extended 10 year warranty available)
- Field upgradeable software

2. ADAPTABILITY

- Backup power and support for time-of-use optimization
- Compliant with California rule 21 and Hawaii 14H grid support requirements
- Works with the widest variety of 48V battery chemistries
- NEMA 3R

3. SIMPLICITY

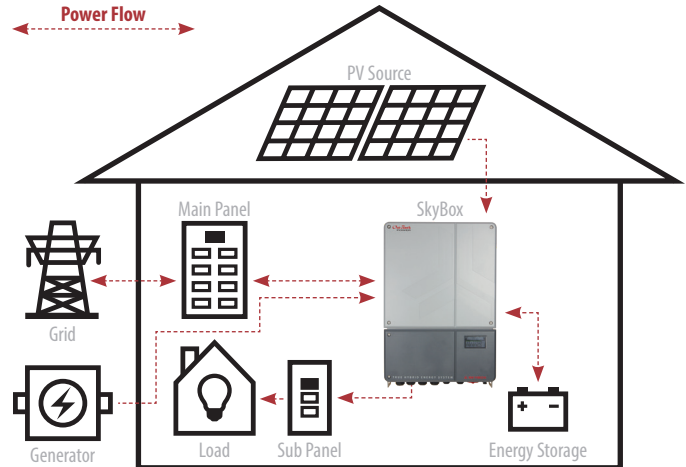
- Easy and fast to install
- Clean balance-of-systems, all in one box
- High PV voltage input allows long strings

3. INTELLIGENCE

- Dynamic power management
- Ability to support any new regulations
- Configure and take charge of your solar with any internet-connected device and OPTICS RE



OutBack SkyBox Typical System Integration:



OUTBACK POWER — MASTERS OF THE OFF-GRID. FIRST CHOICE FOR THE NEW GRID.



MAKE THE POWER

- FLEXpower Integrated Systems
- Inverter/Chargers & Charge Controllers



STORE THE ENERGY

- EnergyCell PLC, PL and OPzV Batteries
- Battery Enclosures and Racking



MANAGE THE SYSTEM

- OPTICS RE System Monitoring and Control
- MATE3s System Display and Communications

Model: SBX5048-120/240		
GRID AND LOADS	AC Voltage	120/240V (split-phase)
	AC Frequency	60Hz
	Max Continuous AC Output Power (@45°C)	5000VA (derate above 45°C)
	Max Continuous Output Current (@ 240V)	24A @ 25°C
	Total Harmonic Distortion	Typical: <2% Maximum: <5%
	Integrated Arc Fault Detection, Ground Fault Detection & Isolation and Monitoring	Yes
	Power Factor at Rated Power	1
PV INPUT	Max PV System Voltage	600V
	MPPT Voltage Range	200-600V
	Max Input Current	20A
	Max Short-Circuit Current	32A
	Max Backfeed Duration (to array)	<8ms
	Reverse-Polarity Protection	Yes
	Harvest Efficiency	>99%
	Typical Inverter Efficiency	>97%
	Transformerless, Ungrounded	Yes
BATTERY	Unassisted Load Support from Battery Only	5000VA
	Nominal DC Battery Voltage	48V
	Battery Voltage Range	42-60V
	Reverse-Polarity Notification	Yes
OPERATING MODES	Immediate Battery Backup Power	Yes
	Grid Support (UL 1741 SA)	Yes
	Islanding Protection	Yes
	Net Metering	Yes
	Non-Export	Yes
	Maximum Independence	Yes
	Configurable Battery Charging Parameters	Yes, to allow/disallow charging from AC for compliance with local regulations
	Prioritized Charging from Renewables	Yes
ADDITIONAL FEATURES	Listings/Certifications	UL 1741 SA, CSA 22.2 No. 107.1, UL 1778, HECO Rule 14H SRD, CA Rule 21 SRD, IEEE 1547-2003, IEEE 1547.1-2005
	RohS	Yes, directive 2011/65/EU
	Weight (lb/kg)	Unit: 110.6/50.2 Shipping: 134/60.8
	Dimensions H x W x D (in/cm)	47 x 21 x 9.4 / 119.4 x 53.3 x 23.9
	Operating Temperature Range	-20 to 60°C
	Non-Volatile Memory	Yes
	Field-Upgradable Firmware	Yes
Chassis Type	NEMA 3R	