

Anker SOLIX X1 | AC-Coupled Energy Storage System



Model	X1-P6K-B10-US	X1-P6K-B15-US	X1-P6K-B20-US	X1-P6K-B10-US (x2)	X1-P6K-B15-US (x2)	X1-P6K-B20-US (x2)
	Battery					
Battery Type	LFP					
Battery Capacity	10 kWh	15 kWh	20 kWh	20 kWh	30 kWh	40 kWh
Aggragate Throughput	32.9 MWh	49.4 MWh	65.8 MWh	65.8 MWh	98.7 MWh	131.6 MWh
	AC Output (On-Grid)					
Rated Output Power	6 kW			12 kW		
Max Apparent Power Output	6 kVA			12 kVA		
Rated Output Voltage	240 VAC					
Rated Frequency	60 Hz					
Power Factor	~1 (+/-0.8)					
THDI (@Rated Power)	Under 3%					
	AC Output (Off-Grid)					
Rated Output Power	6 kW	6.6 kW*	6.6 kW*	12 kW	13.2 kW	13.2 kW
Peak Output Power (Duration)**	9 kW (10s)	12 kW (10s)	12 kW (10s)	18 kW (10s)	24 kW (10s)	24 kW (10s)
Max Units In Parallel***	6					
Rated Output Voltage	120/240 VAC (Split-phase)					
Rated Frequency	60 Hz					
THDU (@Linear load)	Under 3%					
Switch Time	Under 20 ms					
LRA	70 A/s			140 A/s		
	AC Input					
Max Input Apparent Power	6 kVA			12 kVA		
	Efficiency					
Round Trip Efficiency	Up to 90.2%****					
	Connectivity					
Internet Connectivity (Via Backup Controller)	WLAN, Bluetooth, Ethernet, 4G (Optional)					
	Others					
Weight	277 lb	389 lb	501 lb	554 lb	778 lb	1,002 lb
Dimensions (W × H × D)	26.4 × 43.6 × 5.9"	26.4 × 57.8 × 5.9"	26.4 × 72.0 × 5.9"	Stack 1: 26.4 × 43.6 × 5.9"	Stack 1: 26.4 × 57.8 × 5.9"	Stack 1: 26.4 × 72.0 × 5.9"
				Stack 2: 26.4 × 43.6 × 5.9"	Stack 2: 26.4 × 57.8 × 5.9"	Stack 2: 26.4 × 72.0 × 5.9"
Noise	Under 35 dB (Ambient Temperature < 104 °F) Under 40 dB (Ambient Temperature > 104 °F)					
Installation Options	Wall or Ground*****					
Operating Temperature	-4 °F to 131 °F*****					
Relative Humidity	5% to 95%					
Operating Altitude	Up to 13,123 ft, Power Derates from 6,562 ft					
Enclosure Type	NEMA 4					
Warranty	10 Years Limited*****					
Grid Connection Certifications	UL1741 SB, IEEE1547a, IEEE1547, IEEE1547.1, IEEE2030.5, Rule 21, HECO					
Safety	UL1741, UL60730, UL1973, UL9540, UL9540A, UL67, UN38.3					
EMC	FCC Part 15B					

*Each power module's output will derate to 6kW once the ambient temperature exceeds 113°F.

**Ambient temperature 50°F to 131°F with a State of Charge (SOC) greater than 35%.

***Update for six-system parallel connection is planned for release in Q2 2025.

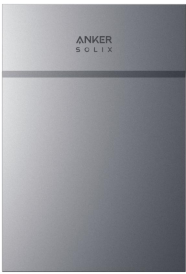
****Measuring AC to Battery to AC efficiency at an ambient temperature of 77°F.

*****Additional components are needed for ground installation.

*****Power output of the 5/10kWh system will be derated once the ambient temperature exceeds 113 ° F.

*****Refer to warranty terms for details.

Backup Controller



Model	Backup Controller 200-H
AC Voltage (Nominal)	120/240 V
Feed-In Type	Split-phase
Grid Frequency	60 Hz
Input/Output Current Rating*	200 A Maximum, 160 A Continuous (EATON CSR2200N Breaker)
Storage Circuit Current Rating	2 × 100 A Maximum, 2 × 80 A Continuous**
PV Circuit Current Rating	100 A Maximum, 80 A Continuous**
Generator Circuit Current Rating	100 A Maximum, 80 A Continuous**
Connectivity	WLAN, Ethernet, Bluetooth, 4G (Optional)
Switch Time	Under 20 ms
	Mechanical Specifications
Dimensions (W × H × D)	21.7 x 31.5 x 5.8"
Weight	35 lbs
	Environmental Specifications
Installation	Wall
Operating Temperature	-4°F to 131°F
Enclosure Type	NEMA 3R
	Compliance & Certifications
Certifications	UL67, UL1741, TSCA, CP65, PFAS
Emissions	FCC Part 15B, ICES-003
Warranty	10 Years Limited***

*The Backup Controller is rated at 22 kAIC.
**The type of breaker used in this circuit is an EATON BR Series Breaker.
***Refer to warranty terms for details.