

Anker SOLIX X1

Hybrid Single-Phase Energy Storage System

Power for the Extreme



Images are for demonstration purposes only.

I System Parameters

Battery Module	x1	x2	x3	x4 ²	x5 ²	x6 ²
Energy Capacity	5kWh	10kWh	15kWh	20kWh	25kWh	30kWh
Weight ¹	73.5 kg	124.5 kg	175.5 kg	232 kg	283 kg	334 kg
Dimensions (W×H×D) ²	670 × 765 × 150 mm	670 × 1,125 × 150 mm	670 × 1,485 × 150 mm	670 × 1,845 × 150 mm (Setup 1) 670 × 1,485 × 150 mm (Setup 2)	670 × 1,845 × 150 mm (Setup 1) 670 × 1,485 × 150 mm (Setup 2)	670 × 1,845 × 150 mm (Setup 1) 670 × 1,202 × 150 mm (Setup 2)

I Battery Module

Model	X1-B5-H
	Performance Specifications
Battery Capacity ³	5kWh
Battery Type	Li-ion (LFP)
Battery Voltage Range	350-550VDC
Maximum Charge / Discharge Power	3kW
Maximum Charge / Discharge Current	7.6A
	Other Specifications
Dimensions (W×H×D)	670 × 360 × 150 mm
Weight	51 kg
Ingress Protection Rating	IP66
Operating Temperature	-20°C to 55°C
Maximum Operating Altitude	Up to 4,000 m, Power Derates from 2,000 m
Warranty	10 Years ⁴
	Compliance Information
Certifications	IEC 62619, IEC 62040-1, VDE-AR-E 2510-50, UN38.3

¹Includes floor mounting base and top cover.
²Two column installation.
³The initial design capacity of an expansion battery is 5kWh. The actual capacity may vary depending on environmental conditions, such as temperature, transportation methods, and storage conditions.
⁴Refer to Anker SOLIX X1 Home Energy Storage System Warranty Policy for details.



Website



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I Power Module

Model	X1-H5K-S		X1-H6K-S	
	Battery			
Battery Type	LFP			
Charge Voltage Range	390-550VDC			
Discharge Voltage Range	370-500VDC			
Battery Capacity	5-30kWh			
	PV Input			
Max Input Power	10kW		12kW	
Max Input Voltage	600VDC			
MPPT Voltage Range	80-550VDC			
Start-Up Voltage	100VDC			
Rated Input Voltage	360VDC			
Max PV Input Current	16/16ADC			
1sc PV Array Short Circuit Current	20/20A			
Number of MPPTs	2			
Number of Strings per MPPT	1			
	AC Output (On-Grid)			
Rated Output Power	5kW		6kW	
Max Output Apparent Power	5.5kVA		6.6kVA	
Rated Output Voltage	220/230/240V			
Rated Frequency	50/60Hz			
Power Factor	0.8ind-0.8cap			
THDI (@Rated Power)	< 3%			
	AC Output (Off-Grid)			
Rated Output Power	5kW		6kW	
Max Output Apparent Power	5.5kVA		6.6kVA	
Peak Output Apparent Power (Duration)	10kVA (10 s)		10kVA (10 s)	
Max Units In Parallel	2 ¹			
Rated Output Voltage	220/230/240V			
Rated Frequency	50/60Hz			
THDU (@Linear Load)	< 2%			
Switch Time	< 10 ms			
	AC Input			
Max Input Apparent Power	10kVA		10kVA	
	Protection			
Anti-Isolation Protection	Yes			
Overcurrent Protection	Yes			
AC Short-Circuit Protection	Yes			
Overvoltage Protection	Yes			
DC Surge Prevention	Type II			
AC Surge Prevention	Type II			
Over-Temperature Protection	Yes			
PV Input Reverse Polarity Protection	Yes			
Battery Input Reverse Polarity Protection	Yes			
Insulation Impedance Detection	Yes			
Residual Current Detection	Yes			
	Efficiency			
Max Efficiency	97.4%		97.6%	
European Efficiency	96.7%		97.1%	
	Connectivity			
Internet Connectivity	Wi-Fi, Bluetooth, Ethernet, 4G (Optional)			
Interface	DI/DO, DRM			
	Other Specifications			
Weight	19 kg			
Dimensions (W×H×D)	670 × 335 × 150 mm			
Noise	≤ 30 dB ²			
Mounting Options	Ground or Wall ³			
Operation Temperature	-25°C to 60°C ⁴			
Relative Humidity	0 to 100%			
Max Operating Altitude	Up to 4,000 m, Power Derates from 2,000 m			
Ingress Protection Rating	IP66			
Warranty	10 Years Limited ⁵			
	Compliance Information (More information available upon request)			
Grid Connection Certifications	VDE-AR-N 4105, DIN VDE V 0124-100 (VDE V 0124-100), CEI 0-21, G99/1-9, G99/NI, C10/C11, NTS 2021 V2.1, UNE 2170021, UNE 217002, RD 647, AS/NZS 4777.2, EN 50549-1, EN50549-10, Order no. 208, DTIS-230206-BRL			
Safety	EN IEC 62109-1, EN IEC 62109-2, AS 60947.3			
EMC	EN IEC 61000-6-1, EN IEC 61000-6-3			

¹The hybrid single-phase models will support 2 parallel system connections. Off-grid, the systems only support single-system output power ratings. Please visit AnkerSOLIX.com for the most up-to-date information on product availability and specifications.

²Tested in the Anker laboratory at a 1 m distance and typical voltage.

³Additional rack required for wall mounting.

⁴Power derates once ambient temperature exceeds 45°C.

⁵Refer to Anker SOLIX X1 Home Energy Storage System Warranty Policy for details.