

Anker SOLIX X1

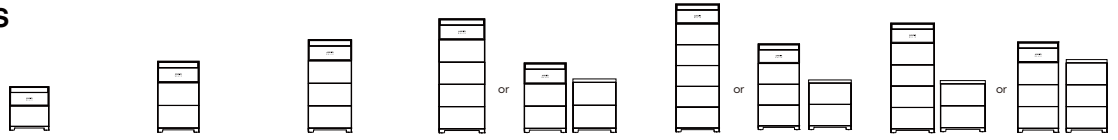
Hybrid Single-Phase Energy Storage System

Power for the Extreme



Images are for demonstration purposes only.

| System Parameters



Battery Module	x1	x2	x3	x4 ²	x5 ²	x6 ³
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 × 1,125 × 150 mm (Setup 2)	670 × 2,205 × 150 mm (Setup 1) 670 × 842 × 150 mm (Setup 2)	670 × 1,845 × 150 mm (Setup 1) 670 × 842 × 150 mm (Setup 1) 670 × 1,485 × 150 mm (Setup 2) 670 × 1,202 × 150 mm (Setup 2)

| 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. For floor mounting, stack no more than five battery modules plus one power module in one column; for wall mounting, stack no more than four battery modules plus one power module in one column.

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.

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Website



LinkedIn

I Power Module

Model	XI-H5K-S	XI-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.