

# Anker SOLIX X1

Hybrid Single-Phase Energy Storage System

Power for the Extreme



## | System Parameters



Battery Module	x1	x2	x3	x4 <sup>2</sup>	x5 <sup>2</sup>	x6 <sup>2</sup>
Energy Capacity	5kWh	10kWh	15kWh	20kWh	25kWh	30kWh
Weight <sup>1</sup>	73.5 kg	124.5 kg	175.5 kg	232 kg	283 kg	334 kg
Dimensions (W×H×D) <sup>2</sup>	670 × 765 × 150 mm	670 × 1,125 × 150 mm	670 × 1,485 × 150 mm	670 × 1,485 × 150 mm 670 × 482 × 150 mm	670 × 1,485 × 150 mm 670 × 842 × 150 mm	670 × 1,485 × 150 mm 670 × 1,202 × 150 mm

## | Battery Module

Model	X1-B5-H
<b>Performance Specifications</b>	
Battery Capacity <sup>3</sup>	5kWh
Battery Type	LFP
Battery Voltage Range	350-550VDC
Maximum Charge / Discharge Power	3kW
Maximum Charge / Discharge Current	7.6A
<b>Other Specifications</b>	
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 <sup>4</sup>
<b>Compliance Information</b>	
Certifications	IEC 62619, IEC 62040-1, VDE-AR-E 2510-50, UN38.3

<sup>1</sup>Includes floor mounting base and top cover.

<sup>2</sup>Two column installation.

<sup>3</sup>The 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.

<sup>4</sup>Refer to Anker SOLIX X1 Home Energy Storage System Warranty Policy for details.

Email: support@anker.com  
 Hotline: (AU) + 61 1800 929 112  
 Technical Support: (AU) + 61 4225 843 78



Website



LinkedIn

# Power Module

Model	X1-H3.68K-S	X1-H4.6K-S	X1-HSK-S	X1-H6K-S
<b>Battery Input</b>				
Battery Type	LFP			
Charge Voltage Range	390-550VDC			
Discharge Voltage Range	370-500VDC			
Battery Capacity	5-30kWh			
<b>PV Input</b>				
Max Input Power	7.36kW	9.2kW	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			
Isc PV Array Short Circuit Current	20/20A			
Number of MPPTs	2			
Number of Strings per MPPT	1			
<b>AC Output (On-Grid)</b>				
Rated Output Power	3.68kW	4.6kW	5kW	6kW
Max Output Apparent Power	4kVA	5kVA	5.5kVA	6.6kVA
Rated Output Voltage	220/230/240V			
Rated Frequency	50/60Hz			
Power Factor	0.8ind-0.8cap			
THDI (@Rated Power)	< 3%			
<b>AC Output (Off-Grid)</b>				
Rated Output Power	3.68kW	4.6kW	5kW	6kW
Max Output Apparent Power	4kVA	5kVA	5.5kVA	6.6kVA
Peak Output Apparent Power (Duration)	7.2kVA (10 s)	10kVA (10 s)	10kVA (10 s)	10kVA (10 s)
Max Units In Parallel	3 <sup>1</sup>			
Rated Output Voltage	220/230/240V			
Rated Frequency	50/60Hz			
THDU (@Linear Load)	< 2%			
Switch Time	< 10 ms			
<b>AC Input</b>				
Max Input Apparent Power	7.2kVA	10kVA	10kVA	10kVA
<b>Protection</b>				
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			
<b>Efficiency</b>				
Max Efficiency	97.4%	97.5%	97.4%	97.6%
European Efficiency	96.5%	96.7%	96.7%	97.1%
<b>Connectivity</b>				
Internet Connectivity	Wi-Fi, Bluetooth, Ethernet, 4G (Optional)			
Interface	DI/DO, DRM			
<b>Other Specifications</b>				
Weight	19 kg			
Dimensions (W×H×D)	670 × 335 × 150 mm			
Noise	≤ 30 dB <sup>2</sup>			
Mounting Options	Ground or Wall <sup>3</sup>			
Operation Temperature	-25°C to 60°C <sup>4</sup>			
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 <sup>5</sup>			
<b>Compliance Information (More information available upon request)</b>				
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			

<sup>1</sup>The hybrid single-phase models will support 3 parallel system connections. The update is expected in Q2 2025. Off-grid, the single-phase systems only support single-system output power ratings.

<sup>2</sup>Tested in Anker laboratory at 1 m distance and typical voltage.

<sup>3</sup>Additional rack required for wall mounting.

<sup>4</sup>Power derates once ambient temperature exceeds 45°C.

<sup>5</sup>Refer to Anker SOLIX X1 Home Energy Storage System Warranty Policy for details.