

# Anker SOLIX X1

Hybrid Three-Phase Energy Storage System

Power for the Extreme



## | System Parameters



Battery Module	×1	×2	×3	×4 <sup>2</sup>	×5 <sup>2</sup>	×6 <sup>2</sup>
Energy Capacity	5kWh	10kWh	15kWh	20kWh	25kWh	30kWh
Weight <sup>1</sup>	84.5 kg	135.5 kg	186.5 kg	243 kg	294 kg	345 kg
W×H×D Dimensions <sup>2</sup>	670 × 880 × 150 mm	670 × 1,240 × 150 mm	670 × 1,600 × 150 mm	670 × 1,600 × 150 mm 670 × 482 × 150 mm	670 × 1,600 × 150 mm 670 × 842 × 150 mm	670 × 1,600 × 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>	
W×H×D Dimensions	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 maximum 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.

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LinkedIn



Website

# I Power Module

Model	XI-H5K-T	XI-H8K-T	XI-H10K-T BE
<b>Battery Input</b>			
Battery Type	LFP		
Voltage Range	350-450VDC		
Battery Capacity	5-30kWh		
<b>PV Input</b>			
Max Input Power	10kW	16kW	20kW
Max Input Voltage	1,000VDC		
Operating Voltage Range	140-1,000VDC		
Start-Up Voltage	160VDC		
MPPT Voltage Range	14-950VDC		
Rated Input Voltage	600VDC		
Max Input Current	16/16ADC		
Isc PV Array Short Circuit Current	20/20ADC		
Number of MPPTs	2		
Number of Strings per MPPT	1		
<b>AC Output (On-Grid)</b>			
Rated Output Power	5kW	8kW	10kW
Rated Output Current	7.2A	11.6A	14.5A
Max Output Apparent Power	5.5kVA	8.8kVA	10kVA
Max Output Current	8.4A	13.3A	16.7A
Max Units In Parallel <sup>1</sup>	6		
Rated Output Voltage	220/380VAC, 230/400VAC, 3L+N+PE		
Rated Frequency	50/60 Hz		
Power Factor	0.8 ind-0.8 cap		
THDI (@Rated Power)	< 2%		
<b>AC Output (Off-Grid)</b>			
Rated Output Power	5kW	8kW	10kW
Rated Output Current	7.2A	11.6A	14.5A
Max Output Apparent Power	5.25kVA	8.4kVA	10.5kVA
Max Output Current	7.2A	11.6A	14.5A
Peak Output Apparent Power (Duration)	10kVA (10 s)	16kVA (10 s)	20kVA (10 s)
Max Units In Parallel <sup>1</sup>	1		
Rated Output Voltage	220/380VAC, 230/400VAC, 3L+N+PE		
Rated Frequency	50/60 Hz		
THDU (@Linear Load)	< 2%		
Switch Time	< 10 ms (Typical)		
<b>AC Input</b>			
Max Input Apparent Power	10kVA	16kVA	20kVA
Max Input Current	15.2A	24.3A	30.3A
<b>Protection</b>			
Anti-Isolation Protection	Yes		
Overcurrent Protection	Yes		
AC Short-Circuit Protection	Yes		
Overvoltage Protection	Yes		
DC Surge Protection	Type II		
AC Surge Protection	Type III		
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	97.9%	98.0%	98.0%
European Efficiency	96.0%	97.1%	97.4%
<b>Connectivity</b>			
Internet Connectivity	Wi-Fi, Bluetooth, Ethernet, 4G (Optional)		
<b>Other Specifications</b>			
Weight	30 kg		
Dimensions (W×H×D)	670 × 450 × 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), Austria OVE Directive R25 deviation based on VDE 4105, EN 50549-1 / 2, EHS 2018:2, RfG, NC RfG, PTP/IRE, C10/11, NTS 2021 V2.1, UNE 2170021, UNE 217002, PPDS: 2022, AS/NZS 4777.2, G991-9, G99/NI, DTIS-230206-BRL, NA/ EEA-NE7 - CH 2020		C10/11
Safety	EN IEC 62109-1, EN IEC 62109-2, AS60947.3		EN IEC 62109-1, EN IEC 62109-2
EMC	EN IEC 61000-6-1:2019, EN IEC 61000-6-3:2021, EN 62920:2017/A1:2021		

<sup>1</sup> Parallel connections of systems are planned for future release. Please refer to AnkerSOLIX.com for availability.

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

<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 XI Home Energy Storage System Warranty Policy for details.