ANKER SOLIX

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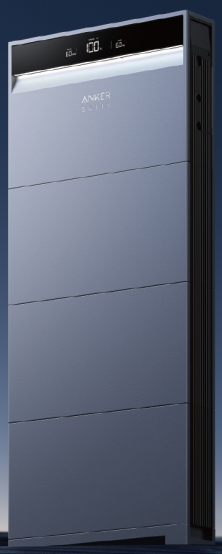
Anker SOLIX X1

Hybrid Three-Phase Energy Storage System

Power for the Extreme



System Parameters

Battery Module	×1	×2	×3	×4[2]	×5[2]	×6[2]
Energy Capacity	5kWh	10kWh	15kWh	20kWh	25kWh	30kWh
Weight[1]	84.5 kg	135.5 kg	186.5 kg	243 kg	294 kg	345 kg
W×H×D Dimensions[2]	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
	Performance Specifications
Battery Energy[3]	5kWh
Battery Type	LFP
Battery Voltage Range	350-550VDC
Maximum Charge / Discharge Power	3kW
Maximum Charge / Discharge Current	7.6A
	Other Specifications
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[4]
	Compliance Information
Certifications	IEC 62619, IEC 62040-1, VDE-AR-E 2510-50, UN38.3

[1]Includes floor mounting base and top cover.
[2]Two column installation.
[3]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.
[4]Refer to Anker SOLIX X1 Home Energy Storage System Warranty Policy for details.

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Power Module

	X1-H5K-T	X1-H8K-T	X1-H10K-T	X1-H12K-T
Model	Battery Input			
	LFP			
Battery Type	350-450VDC			
Voltage Range	5-30kWh			
Battery Capacity	PV Input			
Max Input Power	10kW	16kW	20kW	24kW[1]
Max Input Voltage	1,000VDC			
Operating Voltage Range	140-1,000VDC			
Start-Up Voltage	160VDC			
MPPT Voltage Range	14-950VDC			
Max Input Current	600VDC			
	16/16ADC			
Isc PV Array Short Circuit Current	20/20ADC			
Number of MPPTs	2			
Number of Strings per MPPT	1			
	AC Output (On-Grid)			
Rated Output Power	5kW	8kW	10kW	12kW
Max Output Apparent Power	5.5kVA	8.8kVA	11kVA	13.2kVA
Max Units In Parallel[2]	6			
Rated Output Voltage	220/380VAC, 230/400VAC, 3L+N+PE			
Rated Frequency	50/60Hz			
Power Factor	0.8 ind-0.8cap			
THDI (@Rated Power)	< 2%			
	AC Output (Off-Grid)			
Rated Output Power	5kW	8kW	10kW	12kW
Max Output Apparent Power	5.25kVA	8.4kVA	10.5kVA	12.6kVA
Max Units In Parallel[2]	10kVA (10 s)	16kVA (10 s)	20kVA (10 s)	20kVA (10 s)
Max Units In Parallel	2			
Rated Output Voltage	220/380VAC, 230/400VAC, 3L+N+PE			
Rated Frequency	50/60Hz			
THDU (@Linear Load)	< 2%			
Switch Time	< 10 ms (Typical)			
	AC Input			
Max Input Apparent Power	20kVA			
	Protection			
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			
	Efficiency			
Max Efficiency	97.9%	98.0%	98.1%	98.1%
European Efficiency	96.0%	97.1%	97.4%	97.5%
	Connectivity			
Internet Connectivity	Wi-Fi, Bluetooth, Ethernet, 4G (Optional)			
	Other			
Weight	30 kg			
Dimensions (W×H×D)	670 × 450 × 150 mm			
Noise	≤ 30 dB[3]			
Mounting Options	Ground or Wall[4]			
Operation Temperature	-25°C to 60°C[5]			
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[6]			
	Compliance Information (More information available upon request)			
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, EIFS 2018:2, RfG, NC RfG, PTPiREE, C10/11, NTS 2021 V2.1, UNE 2170021, UNE 217002, PPDS: 2022, AS/NZS 4777.2, G99/1-9, G99/NI, DTIS-230206-BRL, NA/EEA-NE7 - CH 2020			
Safety	EN IEC 62109-1,EN IEC 62109-2, AS60947.3			
EMC	EN IEC 61000-6-1:2019, EN IEC 61000-6-3:2021, EN 62920:2017/A1:2021			

[1]Power derates once ambient temperature exceeds 35°C. This value reflects the maximum power capability of the PV inverter interface. Actual power varies depending on the PV panel open circuit voltage and power rating.
[2]Parallel connections of systems are planned for future release. Please refer to AnkerSOLIX.com for availability.
[3]Tested in the Anker laboratory at a 1 m distance and under typical scenarios.
[4]Additional rack required for wall mounting.
[5]Power derates once ambient temperature exceeds 45°C.
[6]Refer to Anker SOLIX X1 Home Energy Storage System Warranty Policy for details.