

Anker SOLIX X1

AC-Coupled Energy Storage System

The Perfect Match For Your Solar



Images are for demonstration purposes only.



Battery Module	×1	×2	×3	×4 ²	×5 ²	×6 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 × 695 × 150 mm	670 × 1,055 × 150 mm	670 × 1,415 × 150 mm	670 × 1,775 × 150 mm (Setup 1) 670 × 1,415 × 150 mm (Setup 2)	670 × 1,775 × 150 mm (Setup 1) 670 × 482 × 150 mm (Setup 2)	670 × 1,775 × 150 mm (Setup 1) 670 × 842 × 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 capacity of an expansion battery is 5kWh. Actual capacity may vary depending on environmental conditions, such as temperature, transportation methods, and storage conditions.
⁴ Refer to the Anker SOLIX X1 Home Energy Storage System warranty for details.



Power Module



Model	X1-P6K-S	X1-P5K-S
	Battery	
Battery Type	Li-ion	
Battery Voltage Range	350-450V	
Maximum Charge / Discharge Power	6.6kW ¹	5kW
Rated Charge / Discharge Current	17.2ADC	14.3ADC
Maximum Charge / Discharge Current	18.9ADC	14.3ADC
	AC Input / Output (On-Grid)	
Rated Input / Output Power	6kW	5kW
Rated Input / Output Current	26.1A	21.74A
Max Input / Output Apparent Power	6.6kVA	5kVA
Max Input / Output Current	28.7A	22.7A
Rated Input / Output Voltage	220/230/240VAC	
Rated Frequency	50/60 Hz	
Power Factor Range	0.8ind-0.8cap	
THDI (@Rated Power)	< 3%	
	AC Output (Off-Grid)	
Rated Output Power	6kW	5kW
Rated Output Current	26.1A	21.74A
Max Output Apparent Power	6.6kVA ¹	5kVA
Max Output Current	28.7A	22.7A
Peak Output Apparent Power (Duration) ²	12kVA (10 s)	10kVA (10 s)
Rated Output Voltage	220/230/240VAC	
Frequency Range	50/60 Hz	
THDU (@Linear Load)	< 3%	
Switchover Time	< 10 ms	
	Efficiency	
Round Trip Efficiency	Up to 90.2 % ³	
	Connectivity	
Internet Connectivity	Wi-Fi, Bluetooth, Ethernet, 4G (Optional)	
Interface	DI/DO, DRM	
	Other Specifications	
Weight	20 kg	
W×H×D Dimensions	670 × 335 × 150 mm	
Noise	< 35 dB (Ambient Temperature < 40°C) < 40 dB (Ambient Temperature > 40°C)	
Mounting Options	Ground or Wall ⁴	
Operation Temperature	-20°C to 55°C ⁵	
Relative Humidity	5% to 95%	
Max Operating Altitude	Up to 2,000 m	
Assembly Ingress Rating	IP66	
Warranty	10 Years Limited ⁶	

¹Power output will derate to 6kW once the ambient temperature exceeds 45°C.

²Ambient temperature of 10°C to 55°C with a state of charge (SOC) greater than 35%.

³AC to Battery to AC, at an ambient temperature of 25°C.

⁴Additional components are needed for wall installation.

⁵Power follows a derating curve of a 5/10 kWh system between 45°C and 55°C.

⁶Refer to warranty terms for details.