

Up to 180kWh
with Modular Design



15cm
Ultra Thin



Extreme Performance
from **-20°C to 55°C**



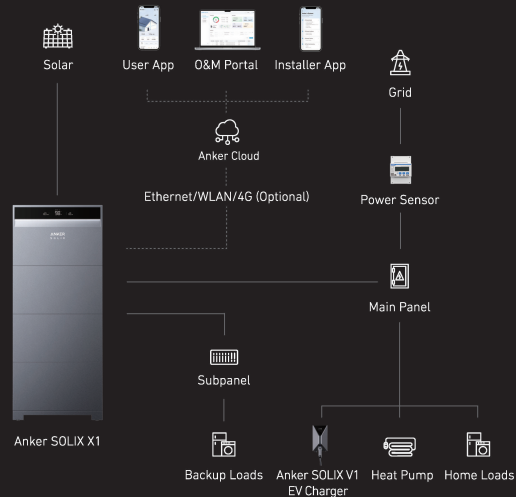
Starry Night Screen



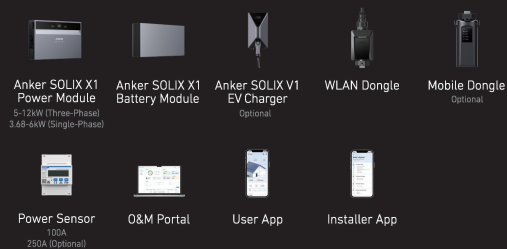
2000 kWh+
More Power*
with Innovative Energy Optimizer



*Based on a system containing 3 battery modules (15kWh) compared to traditional parallel batteries over 10 years.



What Anker SOLIX Offers



Notes:

- The image of Hybrid Three-Phase Energy Storage System is for reference only. The actual product may differ upon release.
- Images are for demonstration purposes only. Please refer to the Anker SOLIX website for product availability.
- For WLAN, use the included WLAN dongle. It also supports an Ethernet connection.
- 4G communication functions are available through Anker Mobile Dongle (optional).

Brand Story

Electricity is the life force of our modern society, illuminating our homes and enriching our lives with technology. But this power behind our life is at risk due to the escalating environmental issues, marred by growing outages and surging instability. Even North America and Europe aren't immune to the issue.

At Anker, we've committed the last eight years to solving the problem with the goal of empowering our customers with energy independence. Now, we are ready to take another step forward.

Introducing Anker SOLIX, a consumer energy series offering reliable, intuitive, and sustainable power solutions for every household into the future.



LinkedIn



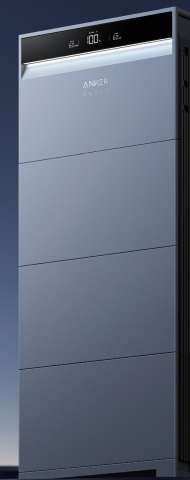
Website

ANKER SOLIX

Anker SOLIX X1

Hybrid Energy Storage System

Power for the Extreme



Anker SOLIX X1 | Hybrid Single-Phase Energy Storage System

Power Module

Model	X1-H3-6K-S	X1-H4-6K-S	X1-H8K-S	X1-H16K-S
Battery Input				
Battery Type	LFP			
Charge Voltage Range	390 - 550 VDC			
Discharge Voltage Range	370 - 550 VDC			
Battery Capacity	5 - 30 kWh			
PV Input				
Max Input Power	7.36 kW	9.2 kW	10 kW	12 kW
Max Input Voltage	600 VDC			
MPPT Voltage Range	80 - 550 VDC			
Start-Up Voltage	75 VDC			
Rated Input Voltage	360 VDC			
Max Input Current	16 / 16 ADC			
Isolated PV Array Short Circuit Current	20 / 20 ADC			
Number of MPPTs	2			
Number of Strings per MPPT	1			
AC Output (On-Grid)				
Rated Output Power	3.68 kW	4.6 kW	5 kW	6 kW
Max Output Apparent Power	4 kVA	5 kVA	5.5 kVA	6.6 kVA
Max Units in Parallel	3			
Rated Output Voltage	220 / 230 / 240 V			
Rated Frequency	50 / 60 Hz			
Power Factor	0.8 ind - 0.8 cap			
THDI (@Rated Power)	< 3%			
AC Output (Off-Grid)				
Rated Output Power	3.68 kW	4.6 kW	5 kW	6 kW
Max Output Apparent Power	4 kVA	5 kVA	5.5 kVA	6.6 kVA
Peak Output Apparent Power (Duration)	7.2 kVA (10s)	10 kVA (10s)	10 kVA (10s)	10 kVA (10s)
Max Units in Parallel	3			
Rated Output Voltage	220 / 230 / 240 VAC			
Rated Frequency	50 / 60 Hz			
THDU (@Linear Load)	< 2%			
Switch Time	< 10 ms			
AC Input				
Max Input Apparent Power	7.2 kVA	10 kVA	10 kVA	10 kVA
Efficiency				
Max Efficiency	97.4%	97.5%	97.4%	97.6%
European Efficiency	96.5%	96.7%	96.7%	97.1%
Connectivity				
Internet Connectivity	Wi-Fi, Bluetooth, Ethernet, 4G (Optional)			
Weight	Other			
WxHxD Dimensions (mm)	670 x 335 x 150			
Noise	≤ 30 dB*			
Mounting Options	Ground or Wall**			
Operation Temperature	-25 °C to 60 °C***			
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****			
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, C10/C11, NTS 2021 V2.1, UNE 21100/1, UNE 21100/2, AS/NZS 4777.2			
Safety	EN IEC 62109-1/EN IEC 62109-2, AS 60947.3			
EMC	EN IEC 61000-6-1, EN IEC 61000-6-3			

*Tested in Anker laboratory at 1 m distance and typical scenarios.

**Additional task required for wall mounting.

***Power derates once ambient temperature exceeds 45°C.

****Refer to Anker SOLIX X1 Home Energy Storage System Warranty Policy for details.

Battery Module

Model	X1-B5-H
Performance Specifications	
Battery Energy*	5 kWh
Battery Type	Li-Ion (LFP)
Battery Voltage Range	350 - 550 VDC
Maximum Charge / Discharge Power	3 kW
Maximum Charge / Discharge Current	7.6 A
Other	
WxHxD Dimensions (mm)	670 x 340 x 150
Weight	51 kg
Enclosure Type	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**
Compliance Information	
Certifications	IEC 62619, IEC 62040-1, VDE-AR-E 2510-50, UN38.3

*The initial capacity (design capacity) of an expansion battery is 5 kWh. The actual capacity may vary depending on environmental conditions, such as temperature, transportation methods, and storage conditions.

**Refer to Anker SOLIX X1 Home Energy Storage System Warranty Policy for details.

System Parameters

	1	2	3
Battery Modules	1	2	3
Energy Capacity	5 kWh	10 kWh	15 kWh
Weight*	73.5 kg	124.5 kg	175.5 kg
WxHxD Dimensions (mm)**	670 x 765 x 150	670 x 1,125 x 150	670 x 1,485 x 150
Efficiency			
Max Efficiency	97.4%	97.5%	97.6%
European Efficiency	96.5%	96.7%	97.1%
Connectivity			
Internet Connectivity	Wi-Fi, Bluetooth, Ethernet, 4G (Optional)		
Weight	Other		
WxHxD Dimensions (mm)**	670 x 1,485 x 150 670 x 482 x 150		
Efficiency			
Max Efficiency	97.9%	98.0%	98.0%
European Efficiency	96.0%	97.1%	97.5%
Connectivity			
Internet Connectivity	Wi-Fi, Bluetooth, Ethernet, 4G (Optional)		
Weight	30 kg		
WxHxD Dimensions (mm)	670 x 450 x 150		
Noise	≤ 30 dB**		
Mounting Options	Ground or Wall***		
Operation Temperature	-25 °C to 60 °C****		
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*****		
Compliance Information (More Information Available Upon Request)			
Grid Connection Certifications	VDE-AR-N 4105, DIN VDE V 0124-100 (VDE V 0124-100), Australia OVE Directive R25 deviation based on VDE 4105, EN 60947-1 / 2, ERS 2012, IHS NC IEC 62109-1/EN IEC 62109-2, IEC 211002, PDS, 2022, AS/NZS 4777.2		
Safety	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		

*The product specifications and details contained in this brochure are based on preliminary information and are subject to change without notice. The actual product features and specifications may vary upon its official release.

Anker SOLIX X1 | Hybrid Three-Phase Energy Storage System

Power Module

Model	X1-H5K-T	X1-H8K-T	X1-H10K-T	X1-H12K-T
Battery Input				
Battery Type	LFP			
Voltage Range	350 - 450 VDC			
Battery Capacity	5 kWh - 30 kWh			
PV Input				
Max Input Power	10 kW	16 kW	20 kW	24 kW*
Max Input Voltage	1000 VDC			
MPPT Voltage Range	140 - 950 VDC			
Start-Up Voltage	160 VDC			
Rated Input Voltage	600 VDC			
Max Input Current	16 / 16 ADC			
Isolated PV Array Short Circuit Current	20 / 20 ADC			
Number of MPPTs	2			
Number of Strings per MPPT	1			
AC Output (On-Grid)				
Rated Output Power	5 kW	8 kW	10 kW	12 kW
Max Output Apparent Power	5.5 kVA	8.8 kVA	11 kVA	13.2 kVA
Max Units in Parallel	6			
Rated Output Voltage	220/380 VAC, 230/400 VAC, 3L-N+PE			
Rated Frequency	50 / 60 Hz			
Power Factor	0.8 ind. - 0.8 cap			
THDI (@Rated Power)	< 2%			
AC Output (Off-Grid)				
Rated Output Power	5 kW	8 kW	10 kW	12 kW
Max Output Apparent Power	5.25 kVA	8.4 kVA	10.5 kVA	12.6 kVA
Peak Output Apparent Power (Duration)	10 kVA (10s)	16 kVA (10s)	20 kVA (10s)	20 kVA (10s)
Max Units in Parallel	6			
Rated Output Voltage	220/380 VAC, 230/400 VAC, 3L-N+PE			
Rated Frequency	50 / 60 Hz			
THDU (@Linear Load)	< 2%			
Switch Time	< 10 ms (Typical)			
AC Input				
Max Input Apparent Power	20 kVA			
Efficiency				
Max Efficiency	97.9%	98.0%	98.0%	98.0%
European Efficiency	96.0%	97.1%	97.4%	97.5%
Connectivity				
Internet Connectivity	Wi-Fi, Bluetooth, Ethernet, 4G (Optional)			
Weight	30 kg			
WxHxD Dimensions (mm)	670 x 450 x 150			
Noise	≤ 30 dB**			
Mounting Options	Ground or Wall***			
Operation Temperature	-25 °C to 60 °C****			
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*****			
Compliance Information (More Information Available Upon Request)				
Grid Connection Certifications	VDE-AR-N 4105, DIN VDE V 0124-100 (VDE V 0124-100), Australia OVE Directive R25 deviation based on VDE 4105, EN 60947-1 / 2, ERS 2012, IHS NC IEC 62109-1/EN IEC 62109-2, IEC 211002, PDS, 2022, AS/NZS 4777.2			
Safety	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			

*Power derates once ambient temperature exceeds 35°C.

**Tested in Anker laboratory at 1 m distance and typical scenarios.

***Additional task required for wall mounting.

****Power derates once ambient temperature exceeds 45°C.

*****Refer to Anker SOLIX X1 Home Energy Storage System Warranty Policy for details.

Battery Module

Model	X1-B5-H
Performance Specifications	
Battery Energy*	5 kWh
Battery Type	Li-Ion (LFP)
Battery Voltage Range	350 - 550 VDC
Maximum Charge / Discharge Power	3 kW
Maximum Charge / Discharge Current	7.6 A
Other	
WxHxD Dimensions (mm)	670 x 340 x 150
Weight	51 kg
Enclosure Type	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**
Compliance Information	
Certifications	IEC 62619, IEC 62040-1, VDE-AR-E 2510-50, UN38.3

*The initial capacity (design capacity) of an expansion battery is 5 kWh. The actual capacity may vary depending on environmental conditions, such as temperature, transportation methods, and storage conditions.

**Refer to Anker SOLIX X1 Home Energy Storage System Warranty Policy for details.

System Parameters

	1	2	3
Battery Modules	1	2	3
Energy Capacity	5 kWh	10 kWh	15 kWh
Weight*	84.5 kg	135.5 kg	186.5 kg
WxHxD Dimensions (mm)**	670 x 880 x 150	670 x 1,240 x 150	670 x 1,600 x 150
Efficiency			
Max Efficiency	97.9%	98.0%	98.0%
European Efficiency	96.0%	97.1%	97.5%
Connectivity			
Internet Connectivity	Wi-Fi, Bluetooth, Ethernet, 4G (Optional)		
Weight	243 kg		
WxHxD Dimensions (mm)**	670 x 1,600 x 150 670 x 482 x 150		
Efficiency			
Max Efficiency	97.9%	98.0%	98.0%
European Efficiency	96.0%	97.1%	97.5%
Connectivity			
Internet Connectivity	Wi-Fi, Bluetooth, Ethernet, 4G (Optional)		
Weight	294 kg		
WxHxD Dimensions (mm)**	670 x 1,600 x 150 670 x 842 x 150		
Efficiency			
Max Efficiency	97.9%	98.0%	98.0%
European Efficiency	96.0%	97.1%	97.5%
Connectivity			
Internet Connectivity	Wi-Fi, Bluetooth, Ethernet, 4G (Optional)		
Weight	345 kg		
WxHxD Dimensions (mm)**	670 x 1,600 x 150 670 x 1,202 x 150		
Efficiency			
Max Efficiency	97.9%	98.0%	98.0%
European Efficiency	96.0%	97.1%	97.5%
Connectivity			
Internet Connectivity	Wi-Fi, Bluetooth, Ethernet, 4G (Optional)		
Weight	345 kg		
WxHxD Dimensions (mm)**	670 x 1,600 x 150 670 x 1,202 x 150		
Efficiency			
Max Efficiency	97.9%	98.0%	98.0%
European Efficiency	96.0%	97.1%	97.5%
Connectivity			
Internet Connectivity	Wi-Fi, Bluetooth, Ethernet, 4G (Optional)		
Weight	345 kg		
WxHxD Dimensions (mm)**	670 x 1,600 x 150 670 x 1,202 x 150		
Efficiency			
Max Efficiency	97.9%	98.0%	98.0%
European Efficiency	96.0%	97.1%	97.5%

*The product specifications and details contained in this brochure are based on preliminary information and are subject to change without notice. The actual product features and specifications may vary upon its official release.