

# Anker SOLIX X1

Hybrid Three-Phase Energy Storage System



## | System Parameters

Battery Modules	1	2	3	4**	5**	6**
Energy Capacity	5 kWh	10 kWh	15 kWh	20 kWh	25 kWh	30 kWh
Weight*	84.5 kg	135.5 kg	186.5 kg	243 kg	294 kg	345 kg
W×H×D Dimensions (mm)	670 × 880 × 150	670 × 1,240 × 150	670 × 1,600 × 150	670 × 1,600 × 150 670 × 482 × 150	670 × 1,600 × 150 670 × 842 × 150	670 × 1,600 × 150 670 × 1,202 × 150

\*Includes floor mounting base and top cover.

\*\*Two column installation.

## | Battery Module

Model	X1-B5-H
<b>Performance Specifications</b>	
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
<b>Other</b>	
W×H×D Dimensions (mm)	670 × 360 × 150
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**
<b>Compliance Information</b>	
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.

Email: [support@anker.com](mailto:support@anker.com)

Phone: (UK) +44 (0) 1616 056 301 (DE) +49 (800) 000 2522

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.



LinkedIn



Website

## Power Module

Model	X1-H5K-T	X1-H8K-T	X1-H10K-T	X1-H12K-T
<b>Battery Input</b>				
Battery Type	LFP			
Voltage Range	350 - 450 VDC			
Battery Capacity	5 kWh - 30 kWh			
<b>PV Input</b>				
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			
Isc PV Array Short Circuit Current	20 / 20 ADC			
Number of MPPTs	2			
Number of Strings per MPPT	1			
<b>AC Output (On-Grid)</b>				
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%			
<b>AC Output (Off-Grid)</b>				
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)			
<b>AC Input</b>				
Max Input Apparent Power	20 kVA			
<b>Efficiency</b>				
Max Efficiency	97.9%	98.0%	98.0%	98.0%
European Efficiency	96.0%	97.1%	97.4%	97.5%
<b>Connectivity</b>				
Internet Connectivity	Wi-Fi, Bluetooth, Ethernet, 4G (Optional)			
<b>Other</b>				
Weight	30 kg			
W×H×D Dimensions (mm)	670 × 450 × 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*****			
<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, PTPIREE, C10/11, UNE 217002, PPDS: 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 rack 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.