



Hoymiles MS-A2

Embrace the sun's bright light

MS-A2 illuminates your world day and night



Unlock the Potential

The first **AC-coupled** balcony power storage system on the market, seamlessly compatible with all microinverters.

Integrated battery capacity of up to **2,240 Wh**, allows effortless expansion by connecting two units in series.



Style Meets Functionality

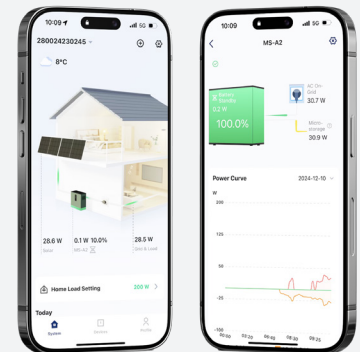
From balconies and courtyards to outdoor spaces, MS-A2 delivers clean power wherever you need it.

Plug & Play installation design offers flexibility and ease, just two steps for a seamless electrical connection.

Security Beyond Standards

The MS-A2 has earned the **ETSI EN 303 645 Cybersecurity** certification, safeguarding your personal information.

Through a new app, MS-A2 provides real-time monitoring and control. Your energy world, is in the palm of your hand.



High Reliability

Powered by **LFP** batteries and adhering to the **IEC 62619** standards, MS-A2 guarantees your family's safety and peace of mind.

MS-A2 supports **6000+** battery cycles, standing the test of time.

Technical Specifications



Model	MS-A2
AC Output (On-grid Port)	
Nominal output apparent power (VA)	800
Maximum output apparent power (VA)	800 ⁽¹⁾
Grid type	Single-phase
Nominal AC voltage/range (V)	230/180 to 270 ⁽²⁾
Nominal AC frequency/range (Hz)	50/45 to 55 ⁽²⁾
Nominal output current (A)	3.48
Maximum output current (A)	3.48 ⁽³⁾
Adjustable power factor (@nominal load)	>0.99 0.8 leading ... 0.8 lagging
Total harmonic distortion (@nominal load)	<3%
AC Input and Output (Off-grid Port)	
Maximum output apparent power (VA)	800
Peak output apparent power (VA)	1200, 10s
Grid type	Single-phase
Connector type	Schuko socket
Nominal AC voltage (V)	230
Nominal AC frequency (Hz)	50
Max. output current (A)	3.48
Total harmonic distortion (@linear load)	<3%
Maximum input power (VA)	1800
Maximum input current (A)	7.83
Battery	
Capacity (Wh)	2240
Cell type	LiFePO4
Life cycles	≥6000
Charging temperature (°C)	0 to 55
Discharging temperature (°C)	-20 to 55
Nominal apparent power (VA)	1000 (charge and discharge)

Model**MS-A2****General**

Weight (kg)	32
Dimensions (L × W × H [mm])	455 × 220 × 457
Operating temperature range (°C)	-20 to 55
Relative humidity range (%)	5 to 95
Overvoltage class AC port	II
Pollution class	PD3
Protection degree	IP65 ⁽⁴⁾
Maximum altitude (m)	2000
Mounting	Wall-mounted or Floor-mounted
Cooling	Natural convection-No fans
Wireless type	Bluetooth, 2.4GHz Wi-Fi
Interface	LED & App

Standards

Grid Compliance	VDE-AR-N 4105: 2018, TOR Erzeuger Type A, EN 50549-1: 2019, EN 50549-10:2022
Safety	IEC 62477-1, IEC 62619, IEC 63056, UN 38.3
EMC	EN 61000-6-1/-2/-3/-4, EN 61000-3-2/-3

[1] It can be customized by using the S-Miles Home App and can be adjusted up to 1000 VA.

[2] The nominal voltage/frequency range may vary based on local requirements.

[3] It is the ratio of maximum output apparent power to nominal AC voltage.

[4] The product is rated IP65 overall, with the exception of the standard AC socket.

Size