



# 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

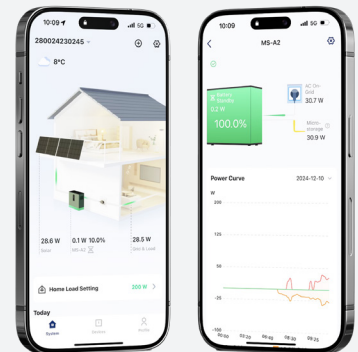
From balconies and courtyards to outdoor spaces, MS-A2 delivers clean power wherever you need it.

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                                |
|------------------------------------------------------|--------------------------------------|
| <strong>AC Output (On-grid Port)</strong>            |                                      |
| Nominal output apparent power (VA)                   | 800                                  |
| Maximum output apparent power (VA)                   | 800 <sup>(1)</sup>                   |
| Grid type                                            | Single-phase                         |
| Nominal AC voltage/range (V)                         | 230/180 to 270 <sup>(2)</sup>        |
| Nominal AC frequency/range (Hz)                      | 50/45 to 55 <sup>(2)</sup>           |
| Nominal output current (A)                           | 3.48                                 |
| Maximum output current (A)                           | 3.48 <sup>(3)</sup>                  |
| Adjustable power factor (@nominal load)              | >0.99<br>0.8 leading ... 0.8 lagging |
| Total harmonic distortion (@nominal load)            | <3%                                  |
| <strong>AC Input and Output (Off-grid Port)</strong> |                                      |
| 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                                 |
| <strong>Battery</strong>                             |                                      |
| 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 <sup>(4)</sup>           |
| 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

