# Products



## Smart Solar Hub LS-H1600

Smart Solar Hub LS-H1600 output power is 1600w and supports anti-reverse current. It is the energy management brain of the system,which can distribute the power from the solar panel to the home appliances for use or to the battery bank for storage. The optical storage controller connects solar panels and batteries for smart power distribution. You can use APP to flexibly decide when and how to use power or store it.

| | | |
|---|---|---|
| 1 | 1600W | Maximum output power up to 1600W to support most household appliances |
| 2 | Smart APP | APP control with flexibility to decide when and how to store or use power |
| 3 | Easy to install | Plug and play,easy to install,multiple installation methods,simple wiring |



# Product Specification

| Model | LS-H1600 |
| --- | --- |
| PV Input Voltage Range | 12V~60V |
| PV Input Power | 800W×2 Max |
| Output Voltage Range | 18V~55V |
| Output Power | 800W×2 Max |
| Battery Voltage Range | 40V~58.4V |
| Battery Charging power | 1600W Max |
| EMC Rating | CLASS-B |
| Weight | ≈3.4kg |
| PCBA Weight | ≈590g |
| Peak Efficiency | 98% |
| MPPT Tracking Efficiency | 99% |
| Battery Short Circuit Protection Current | 66A |
| Operating Ambient Temperature | -20°C~65°C |
| Protection Rating | IP65 |

| Model | LS-H1600 |
| --- | --- |
| Operating Temperature | -20°C~65°C |
| Warranty | 10 Years |
| Certificates | CE(RED, GPSR), ROHS, UKCA |
| Standards | EN 62368-1:2014+A11:2017;EN IEC 62311:2020;EN 50665:2017;EN IEC 61000-6-1:2019;EN IEC 61000-6-2:2019;EN IEC 61000-6-3:2021;EN IEC 61000-6-4:2019;ETSI EN 301 489-1 V2.2.3 (2019-11);ETSI EN 301 489-17 V3.2.4 (2020-09);ETSI EN 301 489-1 V2.2.3 (2019-11);ETSI EN 301 489-17 V3.2.4 (2020-09);EN 62368-1;EN IEC 62311:2020;EN 50665:2017;ETSI EN 301 489-1 V2.2.3 (2019-11);ETSI EN 301 489-17 V3.2.4 (2020-09);ETSI EN 300 328 V2.2.2 (2019-07) |

# Products



## 800W Microinverter  LS-800Mi

- Compact and lightweight for small systems
- Maximum DC voltage 60V for high safety
- IP67 rated
- 96%+ conversion efficiency

LS-800Mi 800W powerful output,designed for home and small business scenarios

- 60V safe voltage limit: low voltage operation on DC side,avoiding high voltage risk.
- IP67 protection level: IP67 waterproof and dustproof + full metal heat dissipation body,fearless of extreme environment from -30℃ to 60℃.
- Intelligent Wi-Fi interconnection,real-time monitoring of power generation data,second warning of abnormal conditions,making energy management more easier.

# Product Specification

| Model | LS-800M/LS-800Mi |
|---|---|
| Recommended PV Module Power | 280W~550W |
| Start-up Voltage | 20V |
| MPPT Voltage Range | 25~55V |
| Max. Input Voltage | 60V |
| Max. Input Current | 13.5A*2 |
| Max. DC Short Circuit Current | 16.5A*2 |
| Number of MPPTs | 2 |
| Rated output power | 800W |
| Nominal Output Voltage | 230V |
| Nominal Output Current | 3.47A |
| Nominal Frequency/Range | 50Hz/±5Hz |
| Peak Efficiency | 96.00% |
| Static MPPT Efficiency | 99.50% |
| Ambient Temperature Range | -40℃~+65℃ |
| Dimensions(WxHxD) | 260mm*225mm*32mm |

| Model | LS-800M/LS-800Mi |
|---|---|
| Weight | 2.8kg |
| Enclosure Rating | IP 67 |
| Cooling | Natural Convection - No Fans |
| Communication | WiFi |
| Warranty | 10 Years |
| Certifications | CE (EMC), RED |
| Standards | EN 301 489-1 V2.2.3 (2019-11);EN 301 489-17 V3.2.4 (2020-09);EN IEC 61000-6-4:2019;EN IEC 61000-6-2:2019;EN IEC 61000-3-2:2019+A1:2021;EN 61000-3-3:2013+A2:2021;EN 300 328 V2.2.2 (2019-07);EN IEC 62311:2020;EN 50665:2017;EN IEC 62311:2020;EN 50665:2017;EN 301 489-1 V2.2.3 (2019-11);EN 301 489-17 V3.2.4 (2020-09);EN IEC 61000-6-4:2019;EN IEC 61000-6-2:2019;EN IEC 61000-3-2:2019+A1:2021;EN 61000-3-3:2013+A2:2021;EN 300 328 V2.2.2 (2019-07);IEC 62109-1:2010;EN 62109-1:2010 |

# Products




## 1024Wh Battery　LS-L1024/LS-L1024-H

- A+ Grade Lithium Iron Phosphate Battery Cells
- Flexible stacking, expand capacity as needed
- Suitable for all scenarios, one battery for multiple uses

The LS-L1024 / LS-L1024-H energy storage battery features a single-pack capacity of 1024Wh and utilizes A+ grade lithium iron phosphate cells. Its metal casing is sturdy and weather-resistant, with an IP65 protection rating. It supports stacking of up to six packs, allowing for expansion up to 6144Wh to flexibly meet a variety of power needs. The LS-L1024-H model features a built-in low-temperature heating and fire suppression module, which not only actively prevents thermal runaway but also completely resolves the issue of being unable to charge at temperatures below 0°C, ensuring normal charging and stable operation even in extremely cold environments. This single battery is suitable for multiple scenarios, including grid-tied, off-grid, and portable outdoor use, offering safety, durability, and all-weather reliability.

# Product Specification

| Model | LS-L1024 | LS-L2048 |
|---|---|---|
| Rated Capacity | 1024Wh | 2048Wh |
| Rated Voltage | 51.2V | |
| Operating Voltage Range | 40~58.4V | |
| Battery Type | LiFeP04 | |
| Dimension (L*W*H) | 320*200*196mm | 320*200*346mm |
| Weight | 9.45kg | 17.5kg |
| Compatible | 6 | 3 |
| Operating Temperature Range | -20°~60° | |
| Protection Class | IP65 | |
| Cooling | Natural cooling | |
| Warranty | 5 Years | |
| Cycles | 6000 | |
| Protocol Type | CAN/RS-485 | |
| Certifications | CE(EMC, GPSR), RoHS, UKCA, UN38.3, MSDS | |

| Model | LS-L1024 | LS-L2048 |
|---|---|---|
| Standards | EN IEC 62619: 2022;EN IEC 61000-6-1:2019;EN IEC 61000-6-2:2019;EN IEC 61000-6-3:2021;EN IEC 61000-6-4:2019;IEC 62321-3-1:2013;IEC 62321-4:2013+AMD1:2017;;IEC 62321-5:2013;IEC 62321-7-1:2015;;IEC 62321-7-2:2017;IEC 62321-6:2015;IEC 62321-8:2017 | |

# Introduction of Solar Kit






This kit consists of one LS-800Mi and four LS-SP200 solar panels,a compact solar solution designed for modern homes. It supports remote monitoring via an app and is particularly suitable for installation on balconies,gardens,and terraces. The system instantly converts solar energy to prioritize household electricity needs,while excess power is fed back to the grid,further reducing electricity costs.