# 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.

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|---|---|---|
| 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) |