

Application Note – Battery and SolarEdge Home Hub Inverter Compatibility

Overview

The table below shows the compatibility between the different models of SolarEdge Home Hub Inverters and both SolarEdge Home Batteries and LG Chem batteries.

| Part Number | Description | SolarEdge Home Battery | LGES RESU Prime (10H&16H) | Legacy LGES RESU (10R&10C) |
|---|--|------------------------|---------------------------|----------------------------|
| Home Hub with Cellular | | | | |
| SE3800H-USMNUBL15 ² | Home Hub inverter, 3.8kW, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan | Compatible | Compatible ³ | Not Compatible |
| SE5700H-USMNUBL15 ² | Home Hub inverter, 5.7kW, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan | Compatible | Compatible ³ | Not Compatible |
| SE7600H-USMNUBL15 ² | Hub inverter, 7.6kW, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan | Compatible | Compatible ³ | Not Compatible |
| SE10000H-USMNUBL15 ² | Home Hub inverter, 10kW, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan | Compatible | Compatible ³ | Not Compatible |
| SE11400H-USMNUBL15 ² | Home Hub inverter, 11.4kW, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan | Compatible | Compatible ³ | Not Compatible |
| Home Hub with Cellular for the Re-Energize Program | | | | |
| SE3000H-USMNFBL15 | Home Hub inverter, 3kW, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan | Compatible | Compatible ³ | Not Compatible |
| SE3800H-USMNFBL15 | Home Hub inverter, 3.8W, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan | Compatible | Compatible ³ | Not Compatible |
| SE5000H-USMNFBL15 | Home Hub inverter, 5W, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan | Compatible | Compatible ³ | Not Compatible |
| SE6000H-USMNFBL15 | Home Hub inverter, 6W, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan | Compatible | Compatible ³ | Not Compatible |
| SE7600H-USMNFBL15 | Home Hub inverter, 7.6W, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan | Compatible | Compatible ³ | Not Compatible |
| SE10000H-USMNFBL15 | Home Hub inverter, 10W, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan | Compatible | Compatible ³ | Not Compatible |
| SE11400H-USSNFBL15 | Home Hub inverter, 11.4W, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan | Compatible | Compatible ³ | Not Compatible |

| Part Number | Description | SolarEdge Home Battery | LGES RESU Prime (10H&16H) | Legacy LGES RESU (10R&10C) |
|---|--|-------------------------|---------------------------|----------------------------|
| Home Hub with PCS and Home Network | | | | |
| SE3800H-USMNUBE75 ² | Home Hub inverter, 3.8kW, max 11.4kW backup power w/ PCS, Consumption Monitoring, and Home Network | Compatible | Not Compatible | Not Compatible |
| SE5700H-USMNUBE75 ² | Home Hub inverter, 5.7kW, max 11.4kW backup power w/ PCS, Consumption Monitoring, and Home Network | Compatible | Not Compatible | Not Compatible |
| SE7600H-USMNUBE75 ² | Home Hub inverter, 7.6kW, max 11.4kW backup power w/ PCS, Consumption Monitoring, and Home Network | Compatible | Not Compatible | Not Compatible |
| SE10000H-USMNUBE75 ² | Home Hub inverter, 10kW, max 11.4kW backup power w/ PCS, Consumption Monitoring, and Home Network | Compatible | Not Compatible | Not Compatible |
| SE1100H-USMNUBE75 ² | Home Hub inverter, 11.4kW, max 11.4kW backup power w/ PCS, Consumption Monitoring, and Home Network | Compatible | Not Compatible | Not Compatible |
| Home Hub with Cellular | | | | |
| SE3000H- USS3BBC14 ¹ | Single Phase Home Hub Inverter, 3.0kW, w/ RGM and Consumption Monitoring, 5-year cellular plan | Compatible ³ | Compatible ³ | Compatible ³ |
| SE3800H- USS3BBC14 ¹ | Single Phase Home Hub Inverter, 3.8kW, w/ RGM and Consumption Monitoring, 5-year cellular plan | Compatible ³ | Compatible ³ | Compatible ³ |
| SE3800H-USM3BBC14 ¹ | Single Phase Home Hub Inverter, 3.8kW, w/ RGM and Consumption Monitoring, 5-year cellular plan - 5.0kW Battery Interface | Compatible ³ | Compatible ³ | Compatible ³ |
| SE6000H- USS3BBC14 ¹ | Single Phase Home Hub Inverter, 6kW, w/ RGM and Consumption Monitoring, 5-year cellular plan | Compatible ³ | Compatible ³ | Compatible ³ |
| SE7600H- USS3BBC14 ¹ | Single Phase Home Hub Inverter, 7.6kW, w/ RGM and Consumption Monitoring, 5-year cellular plan | Compatible ³ | Compatible ³ | Compatible ³ |
| | | | | |
| SE3800H- USSMBBL14 ² | Single Phase Home Hub Inverter, 3.8kW, 3.8kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan | Compatible | Not Compatible | Not Compatible |
| SE7600H- USSMBBL14 ² | Single Phase Home Hub Inverter, 7.6kW, 7.6kW backup power, w/ RGM and Consumption Monitoring, 5-year cellular plan | Compatible | Not Compatible | Not Compatible |

| Part Number | Description | SolarEdge Home Battery | LGES RESU Prime (10H&16H) | Legacy LGES RESU (10R&10C) |
|----------------------------------|---|------------------------|---------------------------|----------------------------|
| SE3800H- USMNBBL14 ² | Single Phase Home Hub Inverter, 3.8kW, 7.6kW backup power, w/ RGM and Consumption Monitoring, 5-year cellular plan | Compatible | Compatible ³ | Not Compatible |
| SE6000H- USSNBBL14 ² | Single Phase Home Hub Inverter, 6kW, 6kW backup power, w/ RGM and Consumption Monitoring, 5-year cellular plan | Compatible | Compatible ³ | Not Compatible |
| SE7600H- USSNBBL14 ² | Single Phase Home Hub Inverter, 7.6kW, 7.6kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan | Compatible | Compatible ³ | Not Compatible |
| SE7600H- USMNBBL14 ² | Single Phase Home Hub Inverter, 7.6kW, 11.4kW backup power, w/ RGM and Consumption Monitoring, 5-year cellular plan | Compatible | Compatible ³ | Not Compatible |
| SE10000H- USSNBBL14 ² | Single Phase Home Hub Inverter, 10kW, 10kW backup power, w/ RGM and Consumption Monitoring, 5-year cellular plan | Compatible | Compatible ³ | Not Compatible |

¹ Inverter has a max output from the battery(ies) of 5kW. While multiple batteries can be connected, the combined continuous output power of the batteries will never exceed 5kW.

² Inverter has max output from the batteries of 10kW if 2 or more batteries are connected to the inverter.



NOTE

Maximum AC output is limited by the AC rating of the inverter.

³ Hardwired RS485 communication from the inverter to the battery(ies) is required.