



Application Note

Battery and SolarEdge Home Hub Inverter Compatibility

Revision History

Version	Date	Description
2.2	February 2025	Fixed compatibility for two PNs: SE3800H-USSMBBL14SE7600H-USSMBBL14 Added new PN to the table: SE7600H-USS00BNN
2.1	September 2024	Added inverter models to the Home Hub Cellular and PCS. Added inverter PN: SE5700H-USMNFBL75 to the Home Hub with Cellular and PCS for the Re-Energize Program.
2.0	June 2024	Added Home Hub with PCS for the Re-Energize Program. Removed wording home network from table Home Hub with PCS and Home Network.

Overview

The table below displays the compatibility between different models of SolarEdge Home Hub Inverters, 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 ¹	Home Hub inverter, 3.8kW, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible	Compatible ²	Not Compatible
SE5700H-USMNUBL15 ¹	Home Hub inverter, 5.7kW, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible	Compatible ²	Not Compatible
SE7600H-USMNUBL15 ¹	Hub inverter, 7.6kW, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible	Compatible ²	Not Compatible
SE10000H-USMNUBL15 ¹	Home Hub inverter, 10kW, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible	Compatible ²	Not Compatible
SE11400H-USMNUBL15 ¹	Home Hub inverter, 11.4kW, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible	Compatible ²	Not Compatible

Part Number	Description	SolarEdge Home Battery	LGES RESU Prime (10H&16H)	Legacy LGES RESU (10R&10C)
Home Hub with Cellular for the Re-Energize Program				
SE3800H-USMNFBL15 ¹	Home Hub inverter, 3.8W, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible	Compatible ²	Not Compatible
SE5000H-USMNFBL15 ¹	Home Hub inverter, 5W, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible	Compatible ²	Not Compatible
SE6000H-USMNFBL15 ¹	Home Hub inverter, 6W, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible	Compatible ²	Not Compatible
SE7600H-USMNFBL15 ¹	Home Hub inverter, 7.6W, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible	Compatible ²	Not Compatible
SE10000H-USMNFBL15 ¹	Home Hub inverter, 10W, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible	Compatible ²	Not Compatible
SE11400H-USSNFBL15 ¹	Home Hub inverter, 11.4W, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible	Compatible ²	Not Compatible
Home Hub with Cellular and PCS				
SE3800H-USMNUBL75 ¹ or USE3800H-USMNBFL75 ¹	Home Hub inverter, 3.8kW, max 11.4kW backup power w/ PCS, 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)
SE5700H-USMNUBL75 ¹ or USE5700H-USMNBL75 ¹	Home Hub inverter, 5.7kW, max 11.4kW backup power w/ PCS, Consumption Monitoring, 5-year cellular plan	Compatible	Not Compatible	Not Compatible
SE7600H-USMNUBL75 ¹ or USE7600H-USMNBL75 ¹	Home Hub inverter, 7.6kW, max 11.4kW backup power w/ PCS, Consumption Monitoring, 5-year cellular plan	Compatible	Not Compatible	Not Compatible
SE10000H-USMNUBL75 ¹ or USE10000H-USMNBL75 ¹	Home Hub inverter, 10kW, max 11.4kW backup power w/ PCS, Consumption Monitoring, 5-year cellular plan	Compatible	Not Compatible	Not Compatible
SE11400H-USMNUBL75 ¹ or USE11400H-USMNBL75 ¹	Home Hub inverter, 11.4kW, max 11.4kW backup power w/ PCS, Consumption Monitoring, 5-year cellular plan	Compatible	Not Compatible	Not Compatible
Home Hub with Cellular and PCS for the Re-Energize Program				
SE3800H-USMNFBL75 ¹	Home Hub inverter, 3.8W, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible	Not Compatible	Not Compatible
SE5000H-USMNFBL75 ¹	Home Hub inverter, 5W, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible	Not Compatible	Not Compatible
SE5700H-USMNFBL75 ¹	Home Hub inverter, 5.7W, max 11.4kW 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)
SE6000H-USMNFBL75 ¹	Home Hub inverter, 6W, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible	Not Compatible	Not Compatible
SE7600H-USMNFBL75 ¹	Home Hub inverter, 7.6W, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible	Not Compatible	Not Compatible
SE10000H-USMNFBL75 ¹	Home Hub inverter, 10W, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible	Not Compatible	Not Compatible
SE11400H-USSNFBL75 ¹	Home Hub inverter, 11.4W, max 11.4kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible	Not Compatible	Not Compatible
Home Hub with Cellular				
SE3000H-USS3BBC14 ³	Single Phase Home Hub Inverter, 3.0kW, w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible ²	Compatible ²	Compatible ²
SE3800H-USS3BBC14 ³	Single Phase Home Hub Inverter, 3.8kW, w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible ²	Compatible ²	Compatible ²
SE3800H-USM3BBC14 ³	Single Phase Home Hub Inverter, 3.8kW, w/ RGM and Consumption Monitoring, 5-year cellular plan - 5.0kW Battery Interface	Compatible ²	Compatible ²	Compatible ²

Part Number	Description	SolarEdge Home Battery	LGES RESU Prime (10H&16H)	Legacy LGES RESU (10R&10C)
SE6000H-USS3BBC14 ³	Single Phase Home Hub Inverter, 6kW, w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible ²	Compatible ²	Compatible ²
SE7600H-USS3BBC14 ³	Single Phase Home Hub Inverter, 7.6kW, w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible ²	Compatible ²	Compatible ²
SE3800H-USSMBBL14 ¹	Single Phase Home Hub Inverter, 3.8kW, 3.8kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible	Compatible ²	Not Compatible
SE7600H-USSMBBL14 ¹	Single Phase Home Hub Inverter, 7.6kW, 7.6kW backup power, w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible	Compatible ¹	Not Compatible
SE3800H-USMNBBL14 ¹	Single Phase Home Hub Inverter, 3.8kW, 7.6kW backup power, w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible	Compatible ²	Not Compatible
SE6000H-USSNBBL14 ¹	Single Phase Home Hub Inverter, 6kW, 6kW backup power, w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible	Compatible ²	Not Compatible
SE7600H-USSNBBL14 ¹	Single Phase Home Hub Inverter, 7.6kW, 7.6kW backup power w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible	Compatible ²	Not Compatible

Part Number	Description	SolarEdge Home Battery	LGES RESU Prime (10H&16H)	Legacy LGES RESU (10R&10C)
SE7600H- USMNBBL14 ¹	Single Phase Home Hub Inverter, 7.6kW, 11.4kW backup power, w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible	Compatible ²	Not Compatible
SE10000H-USSNBBL14 ¹	Single Phase Home Hub Inverter, 10kW, 10kW backup power, w/ RGM and Consumption Monitoring, 5-year cellular plan	Compatible	Compatible ²	Not Compatible
SE7600H-USS00BNN	Single Phase Top-Only Inverter, 7.6kW, For Support only	Not Compatible	Not Compatible	Compatible ²

¹Inverter has max output from the batteries of 10kW if 2 or more batteries are connected to the inverter.

²Hardwired RS485 communication from the inverter to the batteries is required.

³Inverter has a max output from the batteries of 5kW. While multiple batteries can be connected, the combined continuous output power of the batteries will never exceed 5kW.



NOTE

The maximum AC output is limited by the inverter's AC rating.