

Battery and SolarEdge Home Hub Inverter Compatibility – Application Note

Revision History

- Version 1.4, May 2024: Removed Part Number SE3000H-USMNFBL15 from Home Hub with Cellular for the Re-Energize Program
- Version 1.3, December 2023

Overview

The table below displays 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				
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 are connected, the combined continuous output power of the batteries never exceeds 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.