

# Grids Supported by SolarEdge Inverters – Technical Note

## Version History

- Version 1.5, January 2024 - Added SE110K-US to 480/277 grid, SE10K-US to 208 delta grids. Updated grid 208V new diagram and new voltage (208V and 120V)
- Version 1.4, December 2022 – Added corner grounded delta, open grounded delta, and high leg grounded delta grids
- Version 1.3, July 2022 - Corner-grounded delta grids are not supported at voltages of 400V/480V
- Version 1.2, September 2021 - Updated list of supported inverters

## Overview

This topic describes AC grids and their compatibility with SolarEdge inverters. L indicates line (phase) connection, N indicates Neutral connection.

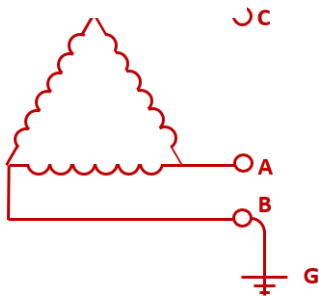
## Requirements

- Earthen systems: SolarEdge inverters are compatible with TN-S/TN-C/TN-C-S and TT networks
- The IT network is supported by SolarEdge inverters above 25K with the following P/N format: SEXXK-XXXXIBXX4

## Supported grids

### 200-230V Corner Grounded Delta Grid

L-L: 200-230V

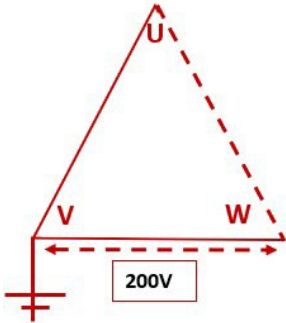


Single Phase Inverters (L-N)			Three Phase Inverters (L-L)
SE1000M	SE2200	SE2200H	SEXXXK-XXXIBXX4*
SE1500M	SE3000	SE2500H	
SE2000M	SE3500	SE3000H	
	SE4000	SE3500H	
	SE5000	SE3680H	
	SE6000	SE4000H	
		SE5000H	
		SE6000H	
		SE8000H	
		SE8250H	
		SE10000H	

\* To verify that the inverter supports this grid voltage, see the relevant inverter datasheet.

## 200-210V Open Grounded Delta Grid

L-L: 200-230V

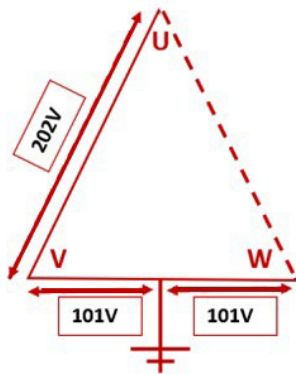


Single Phase Inverters (L-N)			Three Phase Inverters (L-L)
SE1000M	SE2200	SE2200H	SEXXXK-XXXIBXX4*
SE1500M	SE3000	SE2500H	
SE2000M	SE3500	SE3000H	
	SE4000	SE3500H	
	SE5000	SE3680H	
	SE6000	SE4000H	
		SE5000H	
		SE6000H	
		SE8000H	
		SE8250H	
		SE10000H	

\* To verify that the inverter supports this grid voltage, see the relevant inverter datasheet.

## 200-210V High Leg Grounded Delta Grid

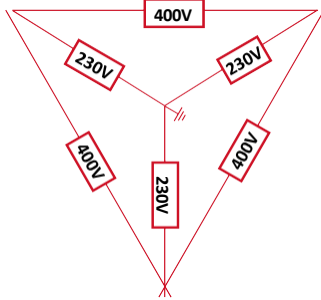
L-L: 200-210V



Single Phase Inverters (L-N)			Three Phase Inverters (L-L)
SE1000M	SE2200	SE2200H	SE17.5K
SE1500M	SE3000	SE2500H	
SE2000M	SE3500	SE3000H	
	SE4000	SE3500H	
	SE5000	SE3680H	
	SE6000	SE4000H	
		SE5000H	
		SE5500H	
		SE6000H	
		SE8000H	
		SE8250H	
		SE10000H	

### 400/230V WYE, 380/220V WYE

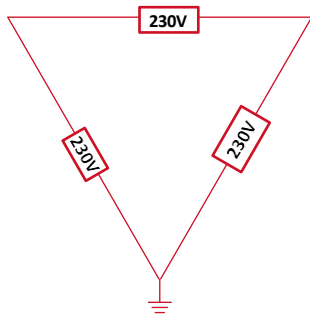
L-N:



Single Phase Inverters (L-N)			Three Phase Inverters (L-L)		
SE1000M	SE2200	SE2200H	SE3K	SE12.5K	SE50K
SE1500M	SE3000	SE2500H	SE4K	SE15K	SE55K
SE2000M	SE3500	SE3000H	SE5K	SE16K	SE82.8K
	SE4000	SE3500H	SE6K	SE17K	SE66.6K
	SE5000	SE3680H	SE7K	SE25K	SE90K
	SE6000	SE4000H	SE8K	SE27.6K	SE100K
		SE5000H	SE8.25K	SE30K	SE75K-BR
		SE6000H	SE9K	SE33.3K	SE100K-BR
		SE8000H	SE10K		
		SE8250H			
		SE10000H			

### 230V Grounded Delta Grid

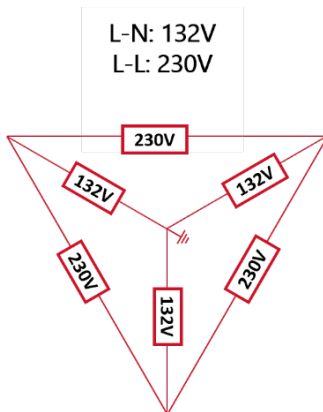
L-L:



Single Phase Inverters (L-N)		
SE1000M	SE2200	SE2200H
SE1500M	SE3000	SE3000H
SE2000M	SE3500	SE3500H
	SE4000	SE3680H
	SE5000	SE4000H
	SE6000	SE5000H
		SE6000H
		SE8000H
		SE8250H
		SE10000H

### 230/132V WYE, 220/127V WYE

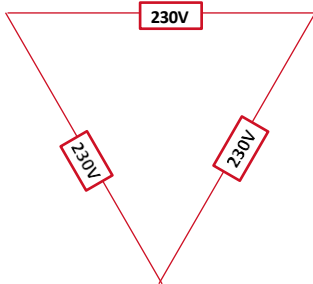
L-N: 132V  
L-L: 230V



Single Phase Inverters (L-N)			Three Phase Inverters (L-L)
SE1000M	SE2200	SE2200H	SE20.1k-BR
SE1500M	SE3000	SE3000H	SE27.6K-BR
SE2000M	SE3500	SE3500H	SE33.3K-BR
	SE4000	SE3680H	SE75K-BR
	SE5000	SE4000H	SE100K-BR
	SE6000	SE5000H	
		SE6000H	
		SE8000H	
		SE8250H	
		SE10000H	

## 230V Delta, 220V Delta1

L-L: 230V

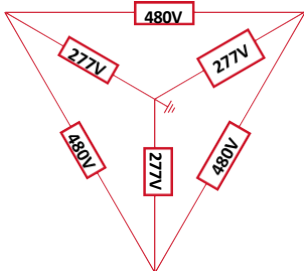


Single Phase Inverters (L-N)			Three Phase Inverters (L-L)	
SE1000M	SE2200	SE2200H	SE6K	SE15K
SE1500M	SE3000	SE2500H	SE7K	SE16K
SE2000M	SE3500	SE3000H	SE8K	SE17K
	SE4000	SE3500H	SE9K	SE25K
	SE5000	SE3680H	SE10K	SE27.6K
	SE6000	SE4000H	SE12.5K	SE30K
		SE5000H		SE33.3K
		SE6000H		SE50K
		SE8000H		SE55K
		SE8250H		SE66K
		SE10000H		SE75K-BR
				SE82.8K
				SE100K

## 480V/277V WYE

L-N: 277V

L-L: 480V



Three Phase Inverters (L-L)	
SE20K-US	SE100K
SE30K-US	SE100K-US
SE33.3K	SE100K-BR
SE40K	SE110k-US
SE66.6K	SE120K
SE80K	SE120K-US
SE80K-US	

## 400V/480V Delta

The following grids are supported by SolarEdge inverters 25K and higher with the following P/N format: SEXXX-XXXXIBXX4.

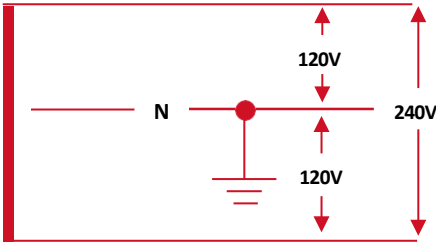


### NOTE

Corner-grounded delta grids are not supported at these voltages.

<sup>1</sup> For inverter power data, refer to the product datasheet.  
Grids Supported by SolarEdge Inverters

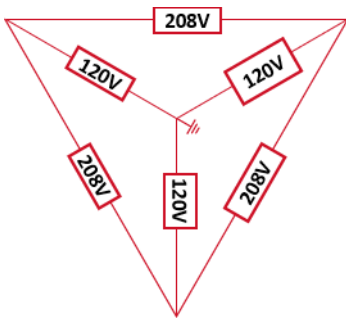
## 120V Split Phase



Single Phase Inverters
SE3000H-US
SE3800H-US
SE5000H-US
SE5700H-US
SE6000H-US
SE7600H-US
SE10000H-US
SE11400H-US

## 208V Delta

L-N 120V  
L-L 208V



Single Phase Inverters (L-N)	Three Phase Inverters (L-L)
SE3800H-US	SE9K-US
SE5700H-US	SE10K-US
SE6000H-US	SE14.4K-US
SE11400H-US	SE17.3K-US
	SE43.3K-US
	SE50K-US

## Support Contact Information

Before contacting support, have the following information ready:

- Model and serial number of the product
- Any error indicated on the product SetApp mobile application LCD screen or on the monitoring platform or by the LEDs
- System configuration information (including type and number of modules connected and the number and length of strings)
- Communication method to the SolarEdge server
- Product's software version as it appears in the ID status screen
- To contact [SolarEdge support](#) with technical problems, scan the QR code below



To view YouTube videos for installing, wiring, and commissioning SolarEdge Inverters please click the links or scan the following QR codes:

For more information on Installation:

<https://youtu.be/pjuo7KjRHXc>



For more information on Wiring:

[https://youtu.be/o\\_EgCnL\\_r38](https://youtu.be/o_EgCnL_r38)



For more information on Commissioning:

[https://youtu.be/\\_JoiC4\\_H8sk](https://youtu.be/_JoiC4_H8sk)

