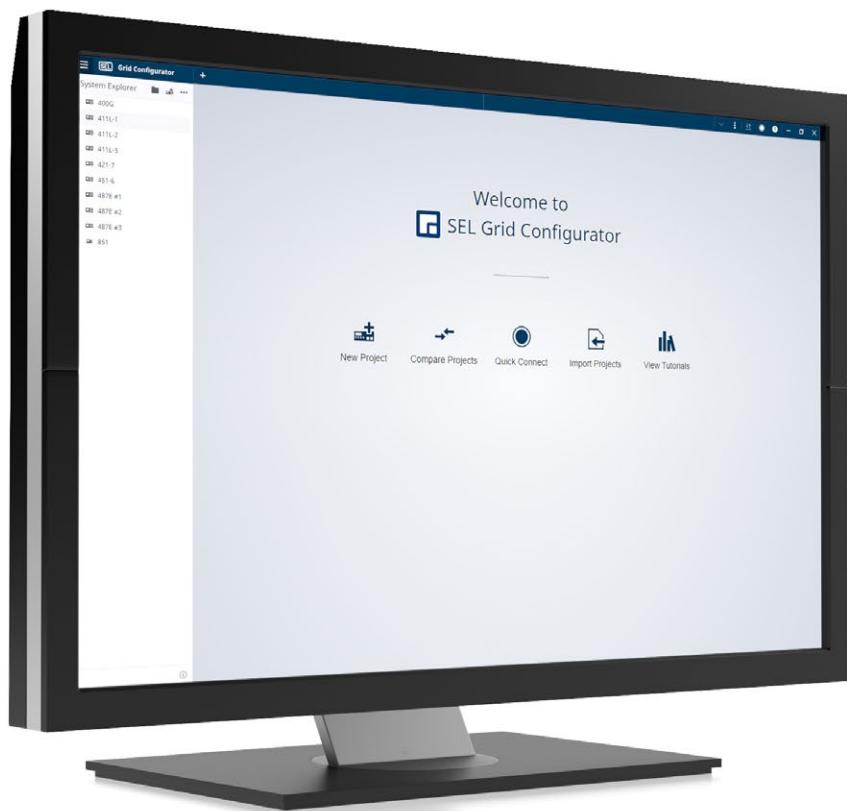


# SEL Grid Configurator

## Software



Quickly and confidently configure, deploy, and commission SEL devices

- Easily review and edit primary protection functions.
- Reduce errors during setup by sending settings to all of your networked devices at once.
- Use powerful comparison tools to gain a thorough understanding of device settings.
- Test and commission devices using advanced online HMI displays.



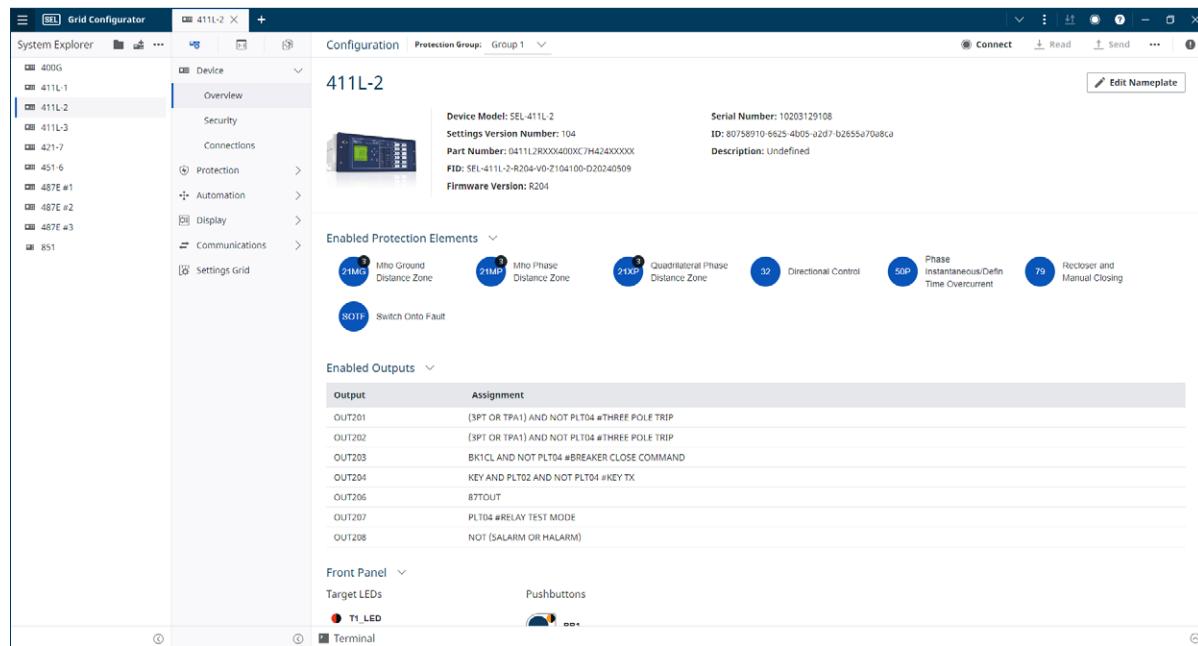
# Key Features

SEL Grid Configurator is a freely distributed software tool for engineers and technicians to efficiently configure, deploy, and commission settings for SEL power system devices. It is the next evolution in SEL device configuration software, delivering a modern user experience with features like:

- A detailed overview of devices.
- Intuitive protection visualization.
- A context-sensitive logic editor.
- Configurable online HMI dashboards.
- A settings comparison.

Combined, these features deliver a seamless and efficient configuration experience.

Watch our library of videos to learn how to use the many helpful features in Grid Configurator at [selinc.com/products/5037/#tab-video](http://selinc.com/products/5037/#tab-video).



## Detailed Device Overview

Quickly review important device information in this clear, comprehensive overview. Identify device specifics, such as the part number and firmware version; discover enabled protection elements and outputs; and use hyperlinks to navigate to relevant settings.

System Explorer

Grid Configurator - 411L-2

Configuration Protection Group: Group 1

Protection Elements

Protection Element Enabled

21MG Mho Ground Distance Zone 1 3 of 5

21MP Mho Phase Distance Zone 3 of 5

21XG Quadrilateral Ground Distance Zone 0 of 5

21XP Quadrilateral Phase Distance Zone 3 of 5

25 Breaker Synchronism Check BK1

25 Breaker Synchronism Check BK2

27 Under Voltage 0 of 6

32 Directional Control

320 Over Power 0 of 4

32U Under Power 0 of 4

49 Thermal 0 of 3

50BF Breaker Failure BK1

50BF Breaker Failure BK2

50G Residual Ground Instantaneous/Definite-Time Overcurrent 0 of 4

21MG Mho Ground Distance Zone 1

1 2 3 4 5

Settings

Shared	Name	Value	Range	Description
✓	E21MG	3	✓ N, 1-5	Enable Mho Ground Dist...
✓	ECVT	N	✓ Y, N	Enable CVT Transient De...
✓	ESERCMP	N	✓ Y, N	Enable Series-Compensate...
✓	ECDTD	N	✓ Y, N	Enable Distance Element...
✓	EADVS	N	✓ Y, N	Enable Advanced Settings
	Z1MG	6.24	0.05 to 64.00, OFF	Zone 1 (ohms/sec)
	Z1MGTC	1	---	SELogic Equation
✓	KOM1	0.726	0.000 to 10.000, AUTO	Zone 1 ZSC Factor Magni...
✓	KOA1	3.69	-179.99 to 180.00	Zone 1 ZSC Factor Angle ...
✓	Z1GD	0.000	0.000 to 16000.000, OFF	Zone 1 Time Delay (cyc)

## Protection Elements at a Glance

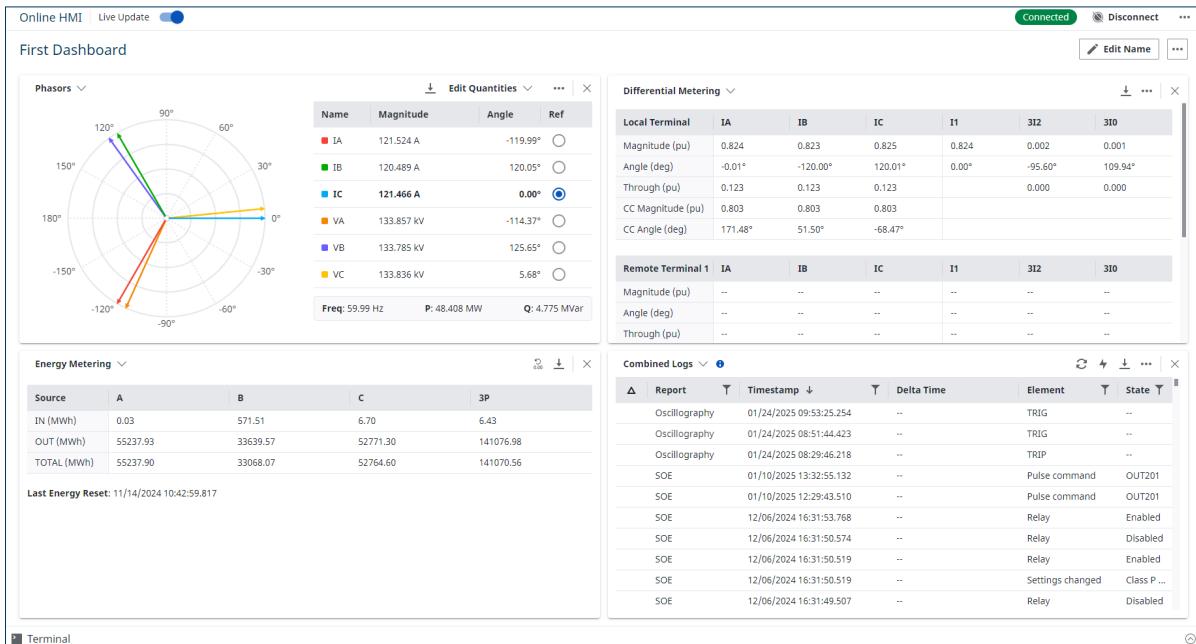
Easily review and enable protection elements for your device in this intuitive view. Select an element to immediately see and modify its settings.

The screenshot shows the 411L-1 software interface with the following details:

- Top Bar:** Includes tabs for Configuration, Protection Group: Group 1, and a toolbar with Connected, Disconnect, Read, Send, and other icons.
- Left Sidebar:** Device navigation tree with sections: Overview, Security, Connections, Protection (expanded), Protection Elements, Protection Logic, Automation, Display, and Settings Grid.
- Middle Left Area:** Protection Logic configuration table with rows numbered 1 to 47. Rows 1-10 define logic for PLT01S through PLT07R. Rows 11-47 are empty.
- Right Area:** Edit Pane - Line 1 showing the logic expression `PLT01S := PB1_PUL AND NOT PLT01 # 87L ENABLED`. Below it is an Element Lookup table with columns: Name and Description. The table lists 9 entries, all starting with FOP1\_ and related to Fast Operate Output Control Bits for Port 1.

## Edit SELogic® Control Equations With Ease

Create and modify single or multiple lines of logic with the help of autocomplete and element lookup features. Utilize context-sensitive guidance while creating your logic.



## Increase Awareness With the Online HMI

Make use of a variety of online HMI views to gain essential insights necessary for effective testing and commissioning of your SEL devices. Combine different views into a dashboard to monitor various types of information at once.

# SEL Grid Configurator Specifications

## Minimum System Requirements

<b>Operating System</b>	Microsoft Windows 11 (64-bit), Microsoft Windows Server 2016 (64-bit)
<b>Processor</b>	1.2 GHz dual-core 64-bit processor
<b>RAM</b>	4 GB
<b>Disk Space</b>	3 GB available
<b>Display Screen Resolution</b>	1280 × 800 pixels
<b>Required Third-Party Software</b>	Microsoft .NET Framework 4.6.2



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