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.



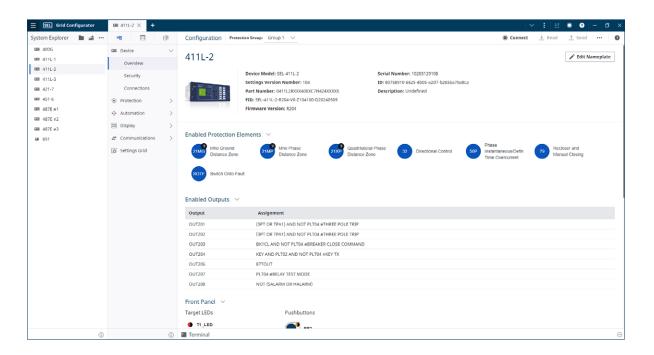
Key Features

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**.



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.

5	Configuration Protection Group: Group 1	\sim							۲	Connect 🛓 Rea	id <u>†</u> Send		
	Protection Elements	Filter To	o Enabled	21MG M	ho Ground Distan	ce Zone 1					Enabled	3 of 5	
)	Protection Element	Enabled		1 2	3 4 5								
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3	21MP Mho Phase Distance Zone	3 of 5	10		Name E21MG	Value 3	~	Range N, 1-5	Enable Mho Ground Dist				
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	(21XG) Quadrilateral Ground Distance Zone	0 of 5	\sim	~	ESERCMP	N	~		Enable Series-Compensa				
			_	~	ECDTD	N	~	Y, N	Enable Distance Element				
	Quadrilateral Phase Distance Zone	3 of 5	\sim	-	EADVS	N	~	Y, N	Enable Advanced Settings				
	25 Breaker Synchronism Check BK1				Z1MG	6.24		0.05 to 64.00, OFF	Zone 1 (ohms,sec)				
					Z1MGTC	1			Mho Ground Zone 1 Tor				
	25 Breaker Synchronism Check BK2			~	k0M1	0.726		0.000 to 10.000, AUTO	Zone 1 ZSC Factor Magni				
	\sim		- 1	~	k0A1	-3.69		-179.99 to 180.00	Zone 1 ZSC Factor Angle				
	27 Under Voltage	0 of 6	~	~	Z1GD	0.000		0.000 to 16000.000, OFF	Zone 1 Time Delay (cyc)				
	32 Directional Control												
	320 Over Power	0 of 4	~										
	32U Under Power	0 of 4	\sim										
	49 Thermal	0 of 3	\sim										
	SOBF Breaker Failure BK1												
	SOBF Breaker Failure BK2	0-											
	Residual Ground 50G Instantaneous/Definite-Time Overcurrent	0 of 4	~										

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.

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5 E	Configuration Protection Group: Group 1 V		Connected	Disconnect	⊥ Read	<u>†</u> Send	
Device \lor	Protection Logic	Edit Pane - Line 1					
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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.

rst Dashbo	bard													🖋 Edit	Name
Phasors \vee				<u>+</u> 1	Edit Quantities $ \smallsetminus $	••• ×	Differential Meterir	ng \vee							<u>+</u>
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150°	X	30*	IB	120.489 A	120.05	0	Angle (deg)	-0.01°	-120.00°	120	0.01°	0.00°	-95.60°	109.	.94°
	$\sim \Lambda$		IC	121.466 A	0.00	۲	Through (pu)	0.123	0.123	0.1	23		0.000	0.00	0
180°						-	CC Magnitude (pu)	0.803	0.803	0.8	03				
180			VA	133.857 kV	-114.37	-	CC Angle (deg)	171.48°	51.50°	-68	.47°				
			VB	133.785 kV	125.65	0									
-150°		-30°	VC	133.836 kV	5.68	0	Remote Terminal 1	IA	IB	IC		11	312	310	
			Francisco (108 MW 0; 4	775 10/11	Magnitude (pu)								
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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							
Operating System	Microsoft Windows 11 (64-bit), Microsoft Windows 10 (64-bit), Microsoft Windows Server 2016 (64-bit)						
Processor	1.2 GHz dual-core 64-bit processor						
RAM	4 GB						
Disk Space	3 GB available						
Display Screen Resolution	1280 × 800 pixels						
Required Third-Party Software	Microsoft .NET Framework 4.6.2						

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