



# SMART LOAD CENTER™ 125

HOME ENERGY MANAGEMENT SYSTEM

The SLC-125 Amp SMART LOAD CENTER™ is the first and only patent-protected panelboard designed to manage grid and alternative energy sources simultaneously—circuit-by-circuit. It replaces or supplements your existing breaker box, giving you full access to all available energy sources and intelligent control over how they're used.

## How It Works

The SMART LOAD CENTER connects to both the utility grid and alternative energy sources (solar, battery, generator). Its intelligent software continuously evaluates energy conditions and automatically switches each circuit to the most efficient and cost-effective power source—based on your settings, battery levels, time-of-use pricing, and even the weather.

### Key Features

- ☀ Simple system controls and real-time reporting
- ☀ AI-driven energy automation
- ☀ Seamless source switching: solar, battery, generator, grid
- ☀ Circuit-level monitoring and data logging
- ☀ Load-shedding during outages
- ☀ Supports time-of-use plans, net metering, and smart switching

### ROI & Installer Advantages

- ☀ Optimizes system sizing for solar, battery, and generator
- ☀ Compatible with all breaker brands
- ☀ Reduces installation complexity with universal design
- ☀ Extends battery runtime for critical devices
- ☀ Increases battery life by limiting discharge rate and depth of discharge

**Smarter Energy Management™**

[www.Koolbridge.com](http://www.Koolbridge.com)

### Homeowner Benefits

- ☀ Configurable to use the lowest cost energy solution
- ☀ Maximizes use of solar and stored power
- ☀ Cuts utility bills by avoiding peak rates
- ☀ Maintains comfort during outages or peak demand
- ☀ Runs more devices with smarter energy use
- ☀ Home, Vacation, and Disaster Watch modes

### Utility Benefits

- ☀ Reduces grid peak demand
- ☀ Smooths load fluctuations
- ☀ Enables staggered restart post-outage
- ☀ Monitors and controls behind the meter
- ☀ Supports time-based grid demand limits

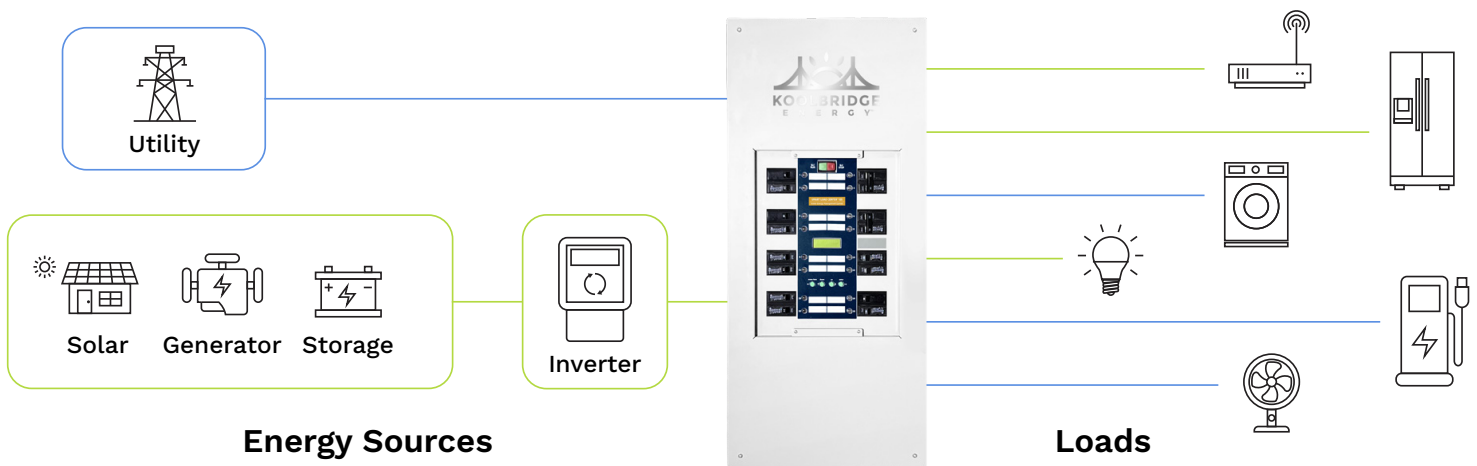


# SMART LOAD CENTER™ 125

HOME ENERGY MANAGEMENT SYSTEM

|                                      |  |
|--------------------------------------|--|
| Marketing Trade Name                 | SLC-125 Amp SMART LOAD CENTER  |
| Product Type                         | Load Center  |
| Branch Breakers                      | Eaton BR, Square D Home Line, and GE Q Line<br>10, 15, 20, 25, 30 Amps,<br>1&2-pole circuits in any position<br>Up to 60 Amps 2 pole circuits                          |
| Enclosure Specifications             | NEMA 1 Enclosure, welded steel, white powder-coated.<br>Size is 37.5" by 14.25" by 4"<br>Weight is 48.0 lbs.<br>Operating temperature range is -20° to 140° Fahrenheit |
| Electrical Specifications            | 240VAC, 125 Amp, 1 phase, 3 wire Main Lug Only<br>Wire Size - #6-#2/0 AWG (Cu/Al)<br>Full Current Neutral Bar and Grounding Bars included                              |
| Breaker Spaces                       | 16   |
| Maximum Short Circuit Current Rating | 5kA  |
| *Product Certifications              | UL 67, UL 60730-1, UL 916 and UL 98,<br>FCC 47CFR Part 15 Subpart B compliant  |
| Patent Protection                    | SLC Related – 14 Issued Patents, 3 Pending<br>KBS Total – 30 Issued Patents, 5 Pending   |
| Limited Warranty                     | 10 years   |
| Country of Origin                    | Proudly designed, engineered and assembled in the USA  |

## Koolbridge SMART LOAD CENTER – Dual Bus Architecture



Typical installation showing SMART LOAD CENTER's Patented Dual Bus Architecture, sharing Utility to some loads and alternate energy to different loads simultaneously.

Koolbridge Energy, Inc. PO Box 1529, Wrightsville Beach, NC 28480 | Reseller: 1-855-482-3323 | Email: [info@Koolbridge.com](mailto:info@Koolbridge.com)

Specifications are subject to change without notice. \*UL Design Compliant – Certification Pending. Utilizing the SLC in any emergency or legally required standby system as classified by municipal, state, provincial, federal, or other codes or any governmental authority having jurisdiction is prohibited.

©June 2025 Koolbridge Energy. All rights reserved. Koolbridge Energy and the SMART LOAD CENTER are trademarks of Koolbridge Energy, Inc. All other trademarks used herein are the property of their respective owners.