



SIVACON S8 LOW-VOLTAGE SWITCHBOARD

Double-front design – smart design for greater efficiency

Lower total cost of ownership due to optimized material use and lower power loss

[siemens.com/sivacon-S8](https://www.siemens.com/sivacon-S8)

Tailor-made for the highest demands

Safe, reliable and cost-efficient – even under demanding conditions. The SIVACON S8 offers ideal preconditions for low-voltage power distribution in industrial applications and infrastructure.

With a double-front design, the feeders on both operating fronts (front and rear) are supplied from a single main busbar system.

The double-front design offers you the benefit of a smart design with lower total operating costs through optimized material usage and reduced power loss.

What you benefit from

- **Improving energy efficiency**
By eliminating back panels, eddy currents are drastically reduced (up to -25%) and thus energy efficiency is increased. This improvement is further enhanced by the shortened length of the main busbars.
- **Resource conservation in the infrastructure**
A footprint of the system that is up to 16.6% smaller leads to a reduction in CO₂ emissions. Fewer resources such as concrete improve the environmental balance.
- **Resource saving in manufacturing**
Up to 50% copper savings on the main busbar by using a common main busbar for the front and rear front. In manufacturing, the reduced use of resources results in a CO₂ reduction of approximately 10% for the entire product.

SIEMENS

Making sustainable choices

Discover your sustainable benefits with SIMARIS ecoguide.

Use SIMARIS ecoguide

By visualizing sustainability impacts and total costs over the life cycle, electrical planners, asset holders and operators can make informed decisions regarding switchboard configuration.

Make sustainability measurable

Quantify CO₂ savings over a 30-year lifetime and explore the environmental impact of different configurations.

Optimize total cost of ownership

Compare capital expenditure (CAPEX) and operating costs (OPEX), assess return on investment (ROI) and identify long-term savings potential.

Tailor scenarios to specific needs

Adjust parameters such as energy costs, CO₂ penalties, and energy mix for customized insights.

SIMARIS ecoguide

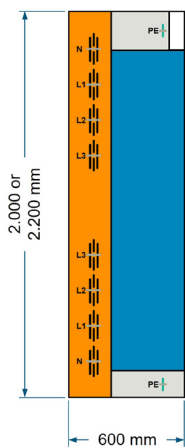
Use the link and get started right away:

siemens.com/simaris-ecoguide-s8

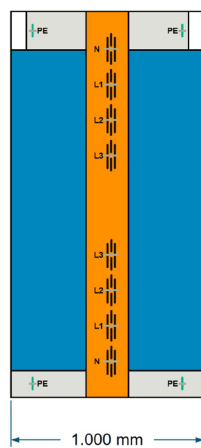
Space Requirement in Comparison – single-front/double-front design, side view

Main busbar rear top and/or rear bottom

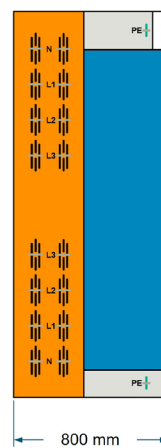
Single-front design



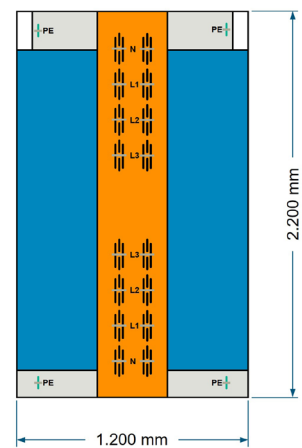
Double-front design



Single-front design
as a power center



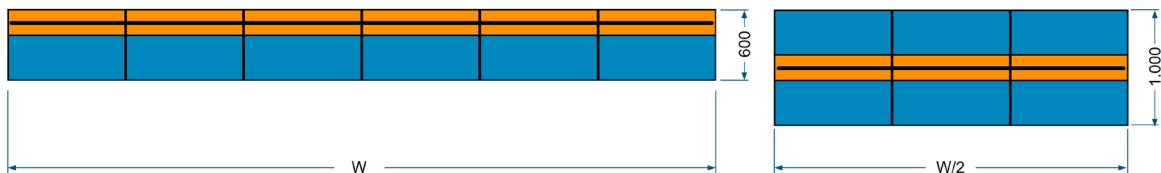
Double-front design
as a power center



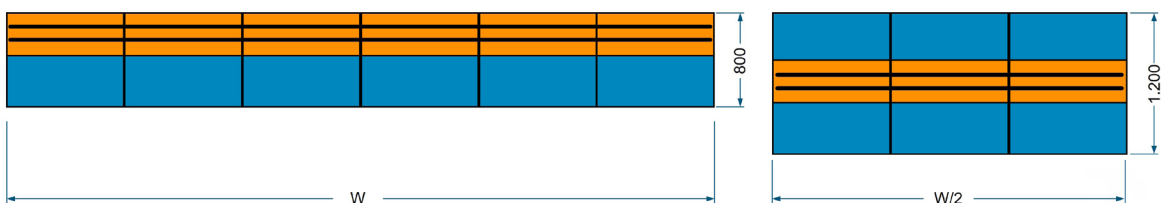
I_n up to 4.000 A
 I_{CW} up to 100 kA, 1 s

I_n up to 7.010 A
 I_{CW} up to 150 kA, 1 s

Space Requirements Comparison – single-front/double-front design, top view



Space requirement in comparison – single-front/double-front design as power center, top view



- Up to 50% copper savings on the main busbar
- Up to 16,6% smaller footprint
- Up to 25% less power loss