

solar**edge**  
**S500B Power  
Optimizers**



## solaredge S500B Power Optimizers Instructions

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### solaredge S500B Power Optimizers



## Product Information

### Specifications

- Waiver Approval Issue Date: July 17, 2024
- Waiver Number: RFW-002355
- Approved Regions: Europe
- Approved Designs:
  - S500B Power Optimizers:
    - PV Modules: up to 550W
    - Voc: up to 125V
    - Imp: up to 15A
    - Isc: up to 16.5A
  - S650B Power Optimizers:
    - PV Modules: up to 650W
    - Voc: up to 85V
    - Imp: up to 15A
    - Isc: up to 16.5A
- Minimum DC/AC Oversizing Ratio: 120%
- Connection to SolarEdge monitoring system is required

### Product Usage Instructions

1. Ensure the installation is done in Europe only.
2. Follow the approved designs for S500B and S650B Power Optimizers as specified.
3. Maintain a minimum DC/AC oversizing ratio of at least 120% per inverter.
4. Connect the sites to the SolarEdge monitoring system.
5. Refer to SolarEdge specifications and installation documents for guidelines and performance details.

### FAQ

- **Q:** Can I install the Power Optimizers with PV modules that exceed the specified limits?
- **A:** SolarEdge approves the mentioned designs exceeding certain limits but within the defined parameters outlined in the waiver approval.
- **Q:** Is the warranty void if the installation does not meet the specified criteria?
- **A:** The warranty for the Power Optimizer and Inverter will not be void if the installation adheres to the approved designs and conditions specified in the waiver approval.

### SolarEdge Product Waiver Approval

Issue date: July 17, 2024

**Dear installer,**

Upon examining your waiver request, SolarEdge decided to approve it under the following conditions:

- This approval is limited to installations done in Europe only.

- The approved designs are as follows:
  - The connection of S500B Power Optimizers with PV modules up to 550W, Voc up to 125V, Impp up to 15A and Isc up to 16.5A.
  - The connection of S650B Power Optimizers with PV modules up to 650W, Voc up to 85V, Impp up to 15A and Isc up to 16.5A.
  - The minimum DC/AC oversizing ratio per inverter shall be at least 120%, according to the datasheet STC values (disregarding bi-facial gains).
- The rest of the installation guidelines and the Power Optimizer's performance remain as stated in the SolarEdge specifications and installation documents.


SolarEdge approves that the designs mentioned above, though exceeding the Power Optimizer maximum short circuit current (Isc) of the connected PV module (16.5A vs. 15A) and the rated DC input power (550W vs. 500W), will not void the Power Optimizer or Inverter warranty. The sites must be connected to the SolarEdge monitoring.



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Chief Product Officer

## Documents / Resources

	<p><a href="#">solaredge S500B Power Optimizers [pdf] Instructions</a> S500B, S650B, S500B Power Optimizers, S500B, Power Optimizers, Optimizers</p>
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## References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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