

Certificate

of Compatibility for the following BRC Solar optimizers

Power Optimizer M500

Power Optimizer M600-E

Power Optimizer M600-M

with the inverters from **Sungrow Power Supply Co., Ltd.**

Please check the current approval status of your specific inverter model exclusively via the
BRC Inverter Checker.

Only the configurations listed there are considered to be fully approved.
The maximum permissible number of optimizers per string is also shown in the Inverter
Checker.

<https://brc-solar.de/wechselrichter-checker/>

To confirm trouble-free operation, standardized compatibility tests were carried out. These are repeated at regular intervals with the inverter manufacturers' most current product portfolio to ensure compatibility.

We hereby confirm that the tests were carried out without issues according to the standardized test procedure.

BRC Solar GmbH

Pascal Ruisinger, Managing Director

P R 19.11.25

Signature, date

BRC Solar GmbH

Richard Brace, Head of Innovation & Research

RB 13.11.25

Signature, date



Manufacturer Declaration

Sungrow SHxxRT and BRC M600E optimizer Compatibility



Manufacturer Declaration

All models of the **Sungrow SHxxRT V112 and SHxxRT-20 series** devices have been verified to be **compatible with BRC optimizers**. This compatibility applies to BRC optimizer model **M600E**, provided that system configuration follows the outlined conditions.

Compatibility conditions:

- Each MPPT input must be connected to **only one string of PV panels**.
- If a string is equipped with BRC optimizers, the **minimum number of BRC optimizers per string is one**.
- The **Global Scanning function is not affected** by the use of BRC optimizers.
- Compatibility applies to both **SHxxRT V112** and **SHxxRT-20** hybrid inverter
- For PV module compatibility, please refer to the **SHxxRT V112** and **SHxxRT-20** hybrid inverter **datasheet and installation guidelines**. PV modules chosen must be within the hybrid inverter max Isc and voltage range. PV modules with higher current than the hybrid inverter Impp could incur in power clipping in high irradiance situations. (for example bi-facial modules in south orientation)
- In partial optimization scenario, there should be enough non-optimized PV modules in the string to reach the start-up voltage of the hybrid inverter.

Luna Li

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