Certificate

of Compatibility for the following BRC Solar optimizers

Power Optimizer M500

Power Optimizer M600-E

Power Optimizer M600-M

Power Optimizer M700-E

Power Optimizer M605-M

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

The final and approved system configuration of each inverter type is provided in the inverter checker and must be verified there.

https://brc-solar.de/en/inverter-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

9.7.26 P. R

Signature, date

BRC Solar GmbH

Richard Brace, Head of Innovation & Research

9.7.26

Signature, date

Manufacturer Declaration

Sungrow SHxxRT and BRC M600E optimizer Compatibility

2025.10 | Version 1.0

SUNGROW
Clean power for all

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

Luna Li
Solution Engineer, System Solution Dpt.
On behalf of Sungrow Power Supply Co., Ltd.
No. 1699 Xiyou Rd.,
New & High Technology Industrial Development Zone,
Hefei, P.R. China
Email: liyingqian@sungrowpower.com

SUNGROW POWER SUPPLY CO., LTD.
SUNGROW
Company

SUNGROW

Manufacturer Declaration

Sungrow SHxxRT and BRC optimizer Compatibility

22.10.2024 | Version 1.0

Manufacturer Declaration

All models of the **Sungrow SHxxT series** devices have been verified to be **compatible with BRC optimizers.** This compatibility applies to BRC optimizer model **M600-E / M600-M / M700-E** and **M605-M** provided that system configuration follows the outlined conditions.

For M600-M / M600-E / M700-E

- If an inverter with a MPP input current (IMPP) of more than 16A is used, it is not allowed to install the Power Optimizer M600-M / M600-E / M700-E at every pv module. In this case it is only allowed to equip a maximum of 50% of all pv modules of each string with a Power Optimizer M600-M / M600-E / M700-E
- No use of optimizers with parallel strings. Install only one string per MPPT.
- Do not short-circuit the module string or the Power Optimizer
- AFCI can remain enabled.

For M605-M

- No use of optimizers with parallel strings. Install only one string per MPPT.
- Do not short-circuit the module string or the Power Optimizer
- AFCI can remain enabled.

On behalf of Sungrow Power Supply Co., Ltd.
No. 1699 Xiyou Rd.,
New & High Technology Industrial Development Zone,
Hefei, P.R. China