

SUNGROW

Manufacturer Declaration

Sungrow SHxxRT and BRC M600E optimizer Compatibility



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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 I_{sc} and voltage range. PV modules with higher current than the hybrid inverter I_{mpp} 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.

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