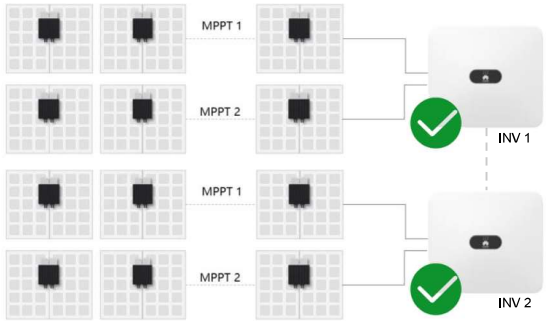
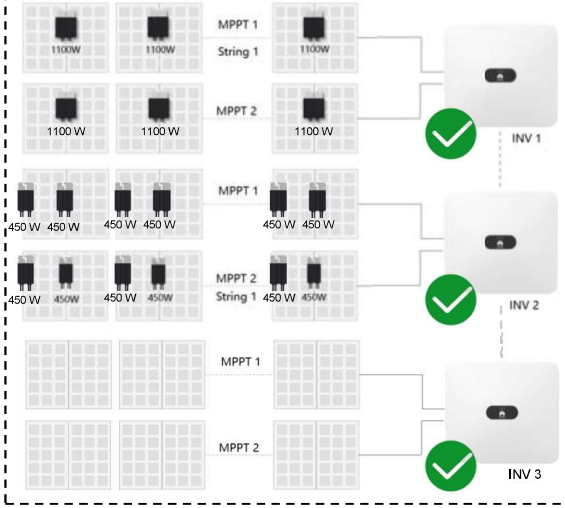
MERC-1100/1300W-P Smart PV optimizer — String Design and Configuration Principles



- For PV strings connected to a single Smart PV inverter, only full configuration of MERC Smart PV optimizer is supported.
- **Only one string can be connected to each MPPT.**
- **Equal string power design** is recommended.

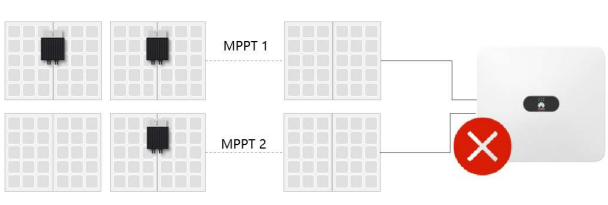


Smart PV inverters with the **following configurations** can be **used together**:

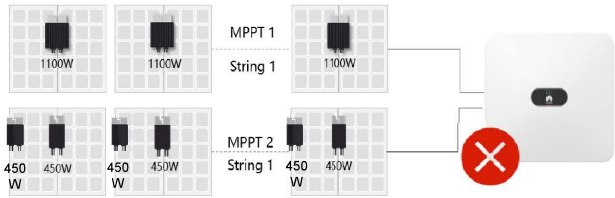
- Full configuration of MERC Smart PV optimizer
- Full configuration of SUN2000 Smart PV optimizer
- No configuration of Smart PV optimizer

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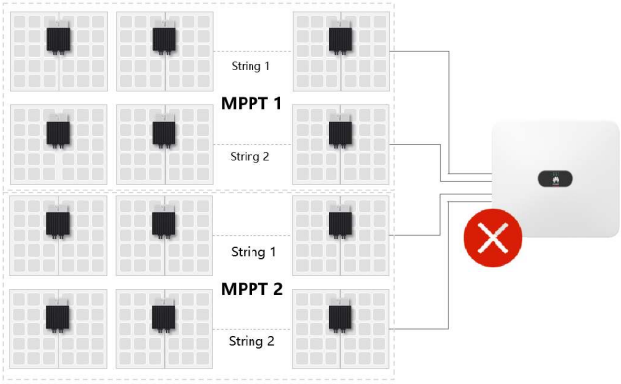
MERC-1100/1300W-P Smart PV optimizer — String Design and Configuration Principles



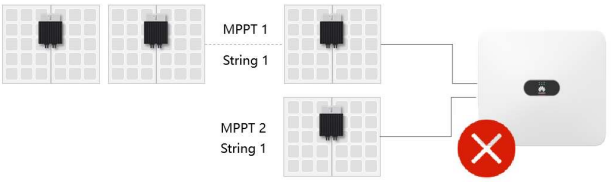
For PV strings connected to a single Smart PV inverter, partial configuration of MERC Smart PV optimizer is not supported.



For PV strings connected to a single Smart PV inverter, the MERC and SUN2000 Smart PV optimizer cannot be used together.



Multiple PV strings connected to a single Smart PV inverter cannot be connected to one MPPT.



The capacity difference between PV strings connected to a single Smart PV inverter cannot be greater than 2 kW. If the capacity difference is too large, the power will be derated.

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