

# RSD-S-PLC INSTALLATION

## NOTE:

- ① When there are two strings of photovoltaic modules connected in parallel under the same MPPT, the photovoltaic strings connected to the same MPPT need to use the same type and same quantity of photovoltaic components. Additionally, the orientation and tilt angle of all photovoltaic components must be the same.
- ② In order to achieve rapid shutdown function, each photovoltaic module in the RSD system must match its corresponding RSD. 'Installing only a portion of them' is not allowed.
- ③ When RSD and modules are installed close to the roof (e.g., on a color steel tile roof), it is recommended to have a spacing of  $>20\text{cm}$  between the modules, a ventilation area height of  $\geq 10\text{cm}$ , and no obstructions.
- ④ To ensure reliable communication, the DC cables must be separated from the AC cables, with a distance greater than  $10\text{cm}$ .
- ⑤ To ensure reliable communication and reduce EMC interference, it is required that the positive and negative RSD cables be close to each other along with companion cables (minimizing the distance, initially placing the positive and negative conductors of the same string of wires in the same cable tray), as shown in the multiple string installation scenario in the diagram below.

## RSD installation location requirements:

