

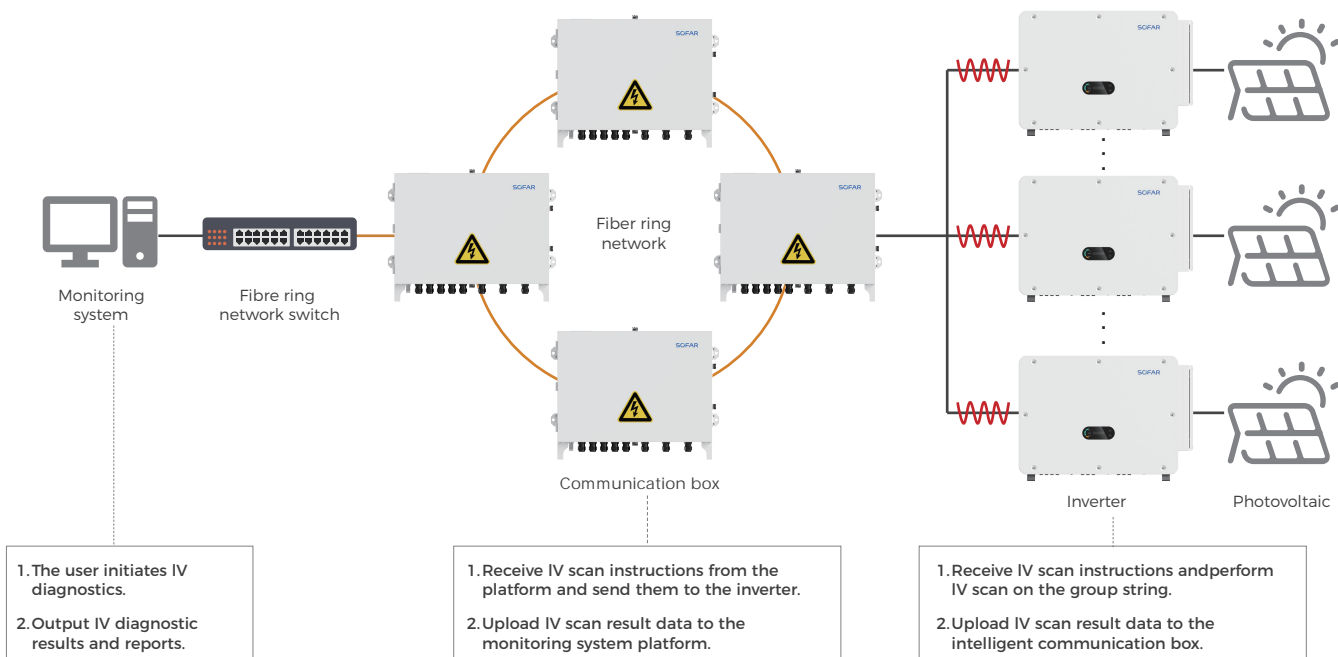
# IV scanning and fault diagnosis system

IV scanning and fault diagnosis system realizes the IV scanning and fault diagnosis function of the photovoltaic group series of large PV plants, bringing a series of help to the operation and maintenance of the utility PV plant, shortening the maintenance cycle of the operation and maintenance personnel of the power station, thus reducing the maintenance cost and increasing the power generation of the PV plant.



## System feature:

- Support full station sub-array level and inverter level IV scanning and fault diagnosis.
- Support exporting the overall report of the entire station and detailed analysis reports of each inverter.
- Accurately locate fault strings and achieve L4 level diagnostic accuracy.
- Built in fault recognition algorithm, accurately identify the cause of faults, and provide operation and maintenance suggestions.



Performance index	Technical Parameter
System name	IV scanning and fault diagnosis system
Supported inverter type	SOFAR 225-255KTL-HV, SOFAR 250-350KTLX0
Supported communication boxes	PSC100, PSC300
Number of sampling points	150
Voltage accuracy	0.5%
Current accuracy	0.5%
Certificate	Jianheng certification(CGC), the highest technical level in the industry "Level 4"