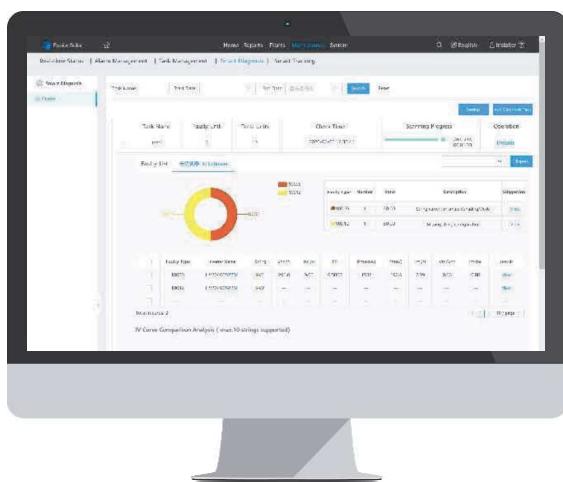


Smart I-V Curve Diagnosis



Smart I-V Curve Diagnosis is able to carry out online I-V curve analysis on entire strings with advanced diagnosis algorithm. The scanning would help to find out and identify the strings with low performance or faults, which would help to achieve proactive maintenance, higher O&M efficiency and lower operation cost.



Smart

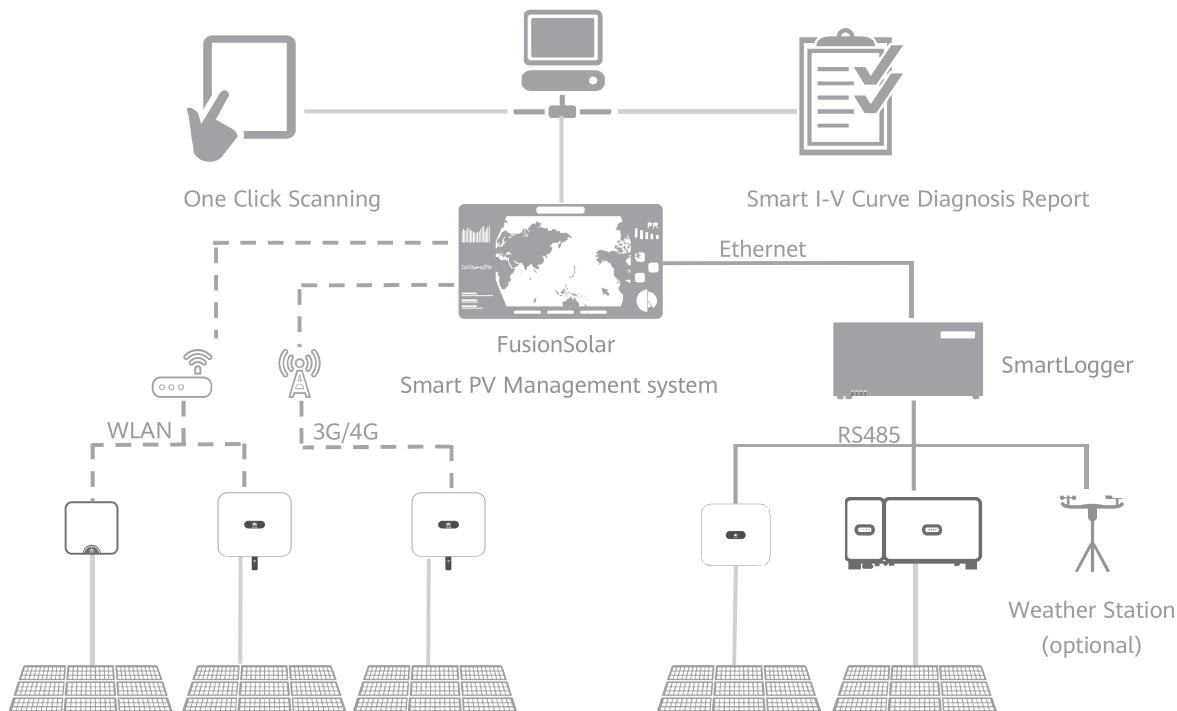
- Support plant-level, array-level and inverter-level analysis and diagnosis
- Automatically identify different failure types and provide recovery suggestion



Efficient

- One-click scanning without onsite experts or equipment
- Online I-V curve scanning on entire strings of 5 MW plant within 5min
- Automatic report generation of 5 MW plant within 15min

Network



Technical Specifications		Smart I-V Curve Diagnosis
Smart PV Inverter*		SUN2000L-2/3/4/5KTL, SUN2000-3/4/5/6/8/10KTL-M0, SUN2000-12/15/17/20KTL-M0, SUN2000-36KTL, SUN2000-50/60KTL-M0
Communication		SmartLogger2000, SmartLogger1000A, SmartLogger3000A, Smart Dongle
Management System		FusionSolar Smart PV Management System, NetEco1000s
Scanning Time		< 1s (1 string)
Sampling Points per I-V Curve		128
Certification		 TÜV Rheinland [®]  TUV

* I-V curve diagnosis is not supported when inverter is connected with power optimizer.



String-level Management

Real time monitoring



Smart I-V Curve Diagnosis

Fault Analysis

String I-V Curve Comparison

