NetEco1000S

Smart

- Easy data accesses on mobile devices
- Proactive reports of yields and alarms
- Smart String I-V Diagnosis supported
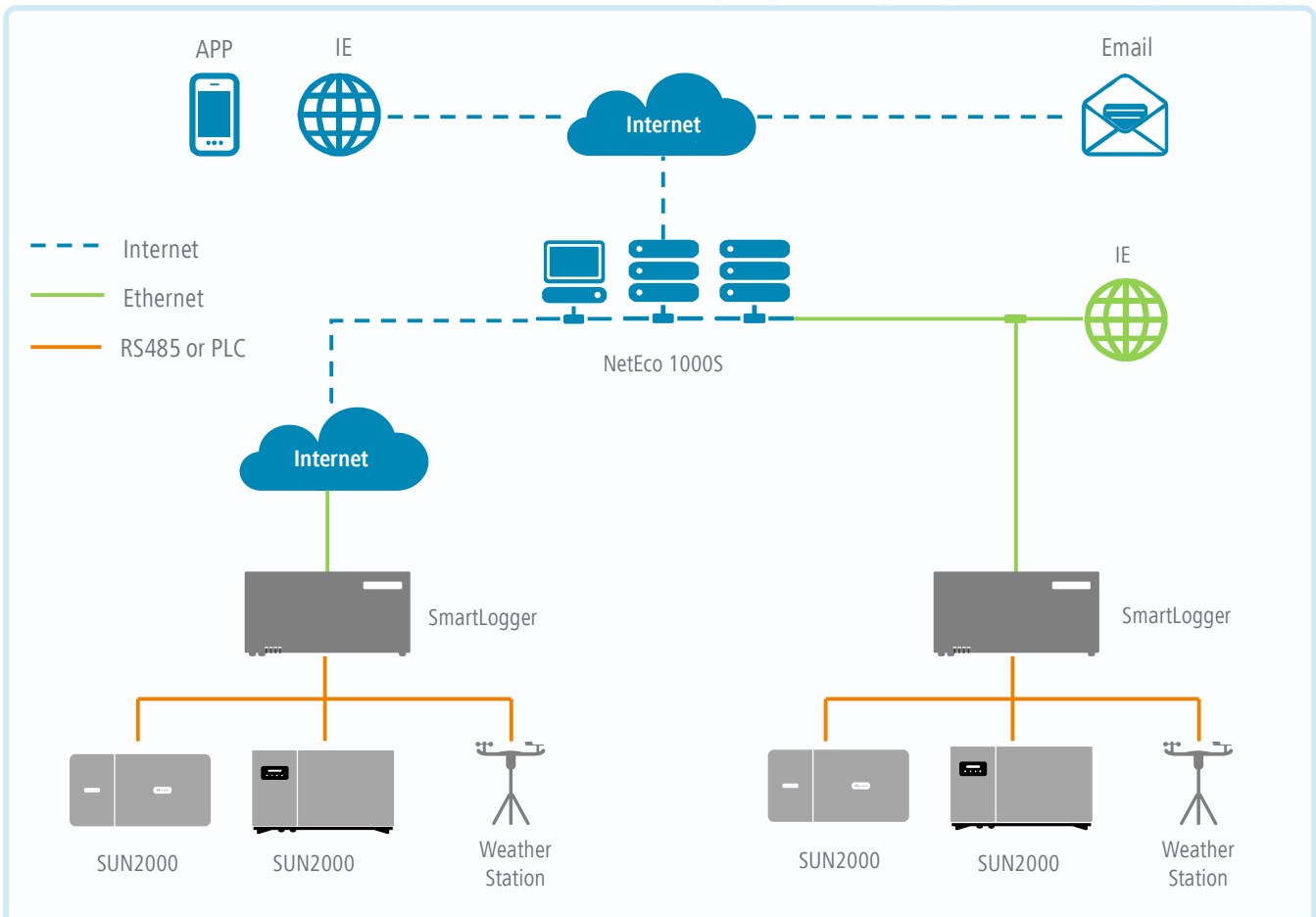
Simple

- One-click instanllation on PC
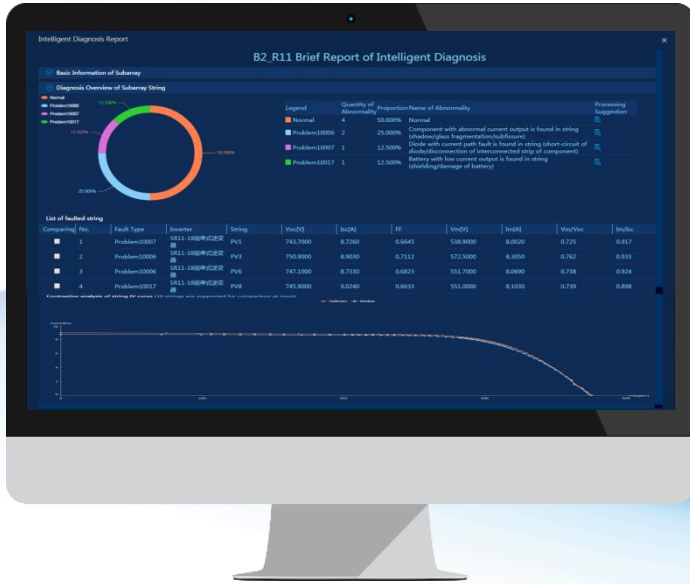- Fault alarms via SMS and E-mail

Reliable

- Hierarchical management
- Up to 25 years data storage in CSV file format

Network Structure

APP   IE   Internet   Email

Internet
Ethernet
RS485 or PLC

NetEco 1000S

IE

Internet

SmartLogger   SmartLogger

SUN2000   SUN2000   Weather   SUN2000   SUN2000   Weather
                    Station   Station

Always Available for Highest Yields
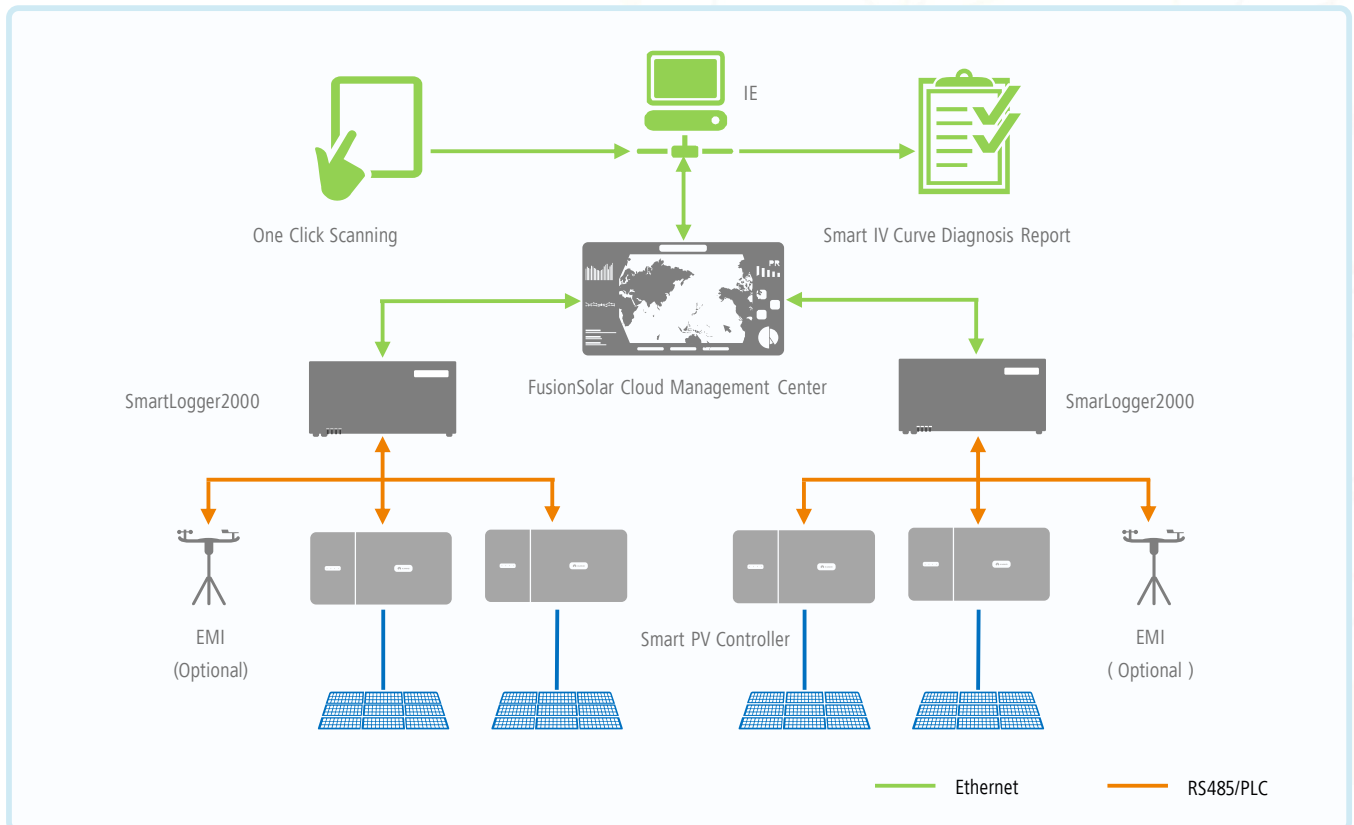
Smart I-V Curve Diagnosis

Smart I-V Curve Diagnosis is based on string IV curve pattern analysis with advanced diagnosis algorithm, conducting PV plant complete string IV curve analysis. The online scanning and analysis can help in achieving higher O&M efficiency, proactive maintenance and lower operation cost.

💡 Smart

- Supports plant-level, array-level or inverter-level IV curve analysis and Diagnosis
- Identifies different module faults with automatic report generation

👍 Efficient

- One click scanning without onsite experts or equipment
- Online IV curve scanning on entire strings
- Automatic report generation within 10~15min

One Click Scanning

IE

Smart IV Curve Diagnosis Report

FusionSolar Cloud Management Center

SmartLogger2000

SmarLogger2000

EMI (Optional)

Smart PV Controller

EMI (Optional)

Ethernet   RS485/PLC
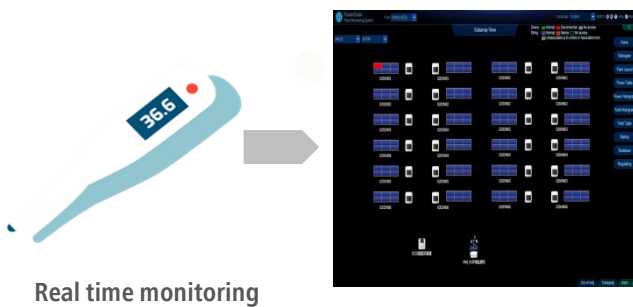
Always Available for Highest Yields

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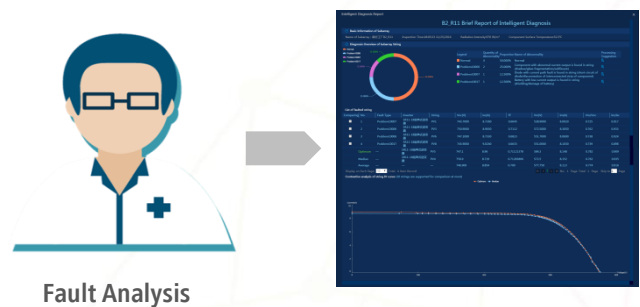
Technical Specification		Smart I-V Curve Diagnosis
Configuration	Smart PV Controller	SUN2000-36KTL/42KTL
	Data Logger	SmartLogger2000, SmartLogger1000
	Management System	FusionSolar Cloud Management Center, NetEco1000s
Performance	Scanning Time	＜1s
	Sampling Points per I-V Curve	128
	Voltage Accuracy	0.5%rdg. + 1dgt. (rdg.>5, dgt.=0.3)
	Current Accuracy	0.5%rdg. + 2dgt. (rdg.>0.3, dgt.=0.006)

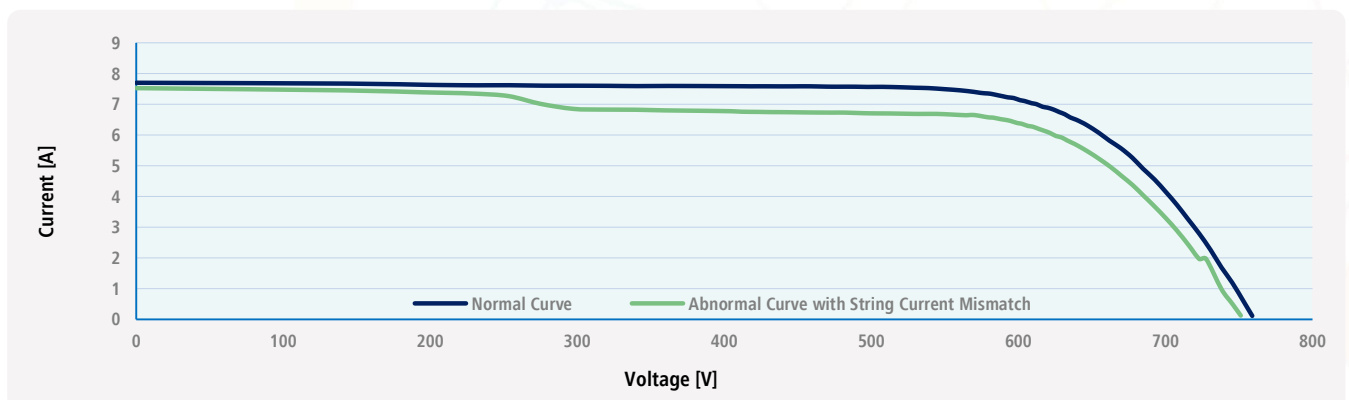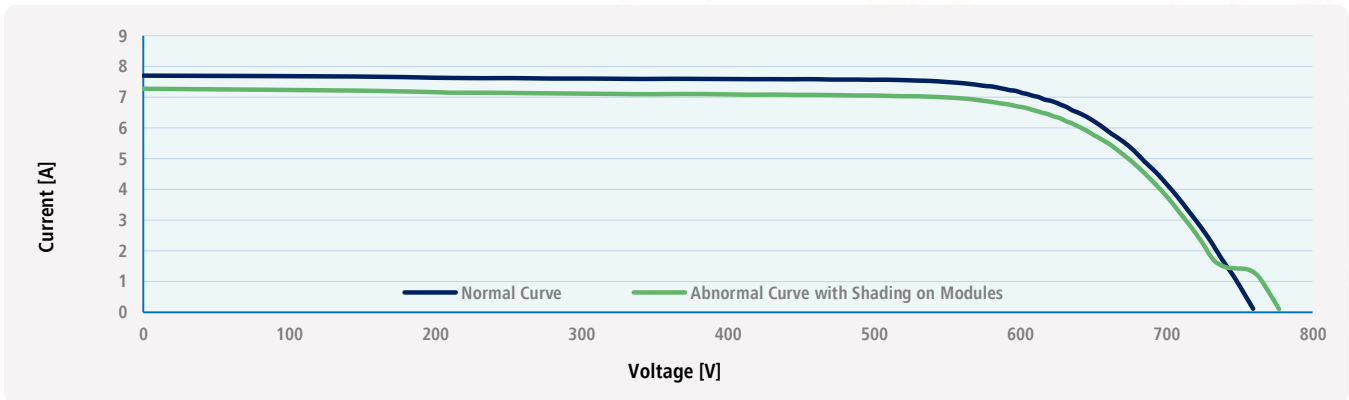**TÜVRheinland®** Smart I-V Curve Diagnosis is TUV Verified

String-level Management	Smart I-V Curve Diagnosis
Real time monitoring	**Fault Analysis**

String I-V Curve Comparison

Normal Curve — Abnormal Curve with Shading on Modules

Voltage [V]

Normal Curve — Abnormal Curve with String Current Mismatch

Voltage [V]

Always Available for Highest Yields

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