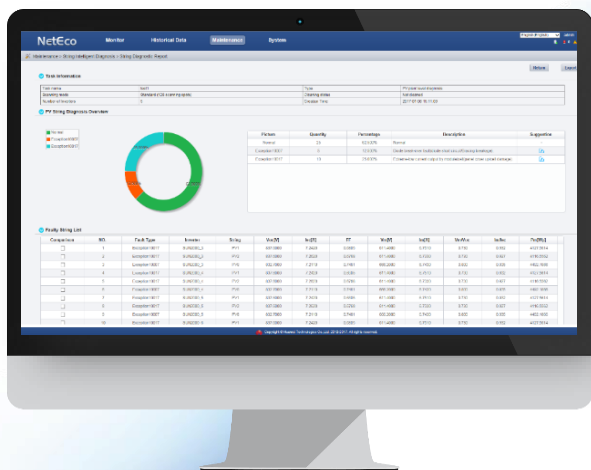


# Smart I-V Curve Diagnosis

**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 malfunction, which would help to achieve proactive maintenance, higher O&M efficiency and lower operation cost.

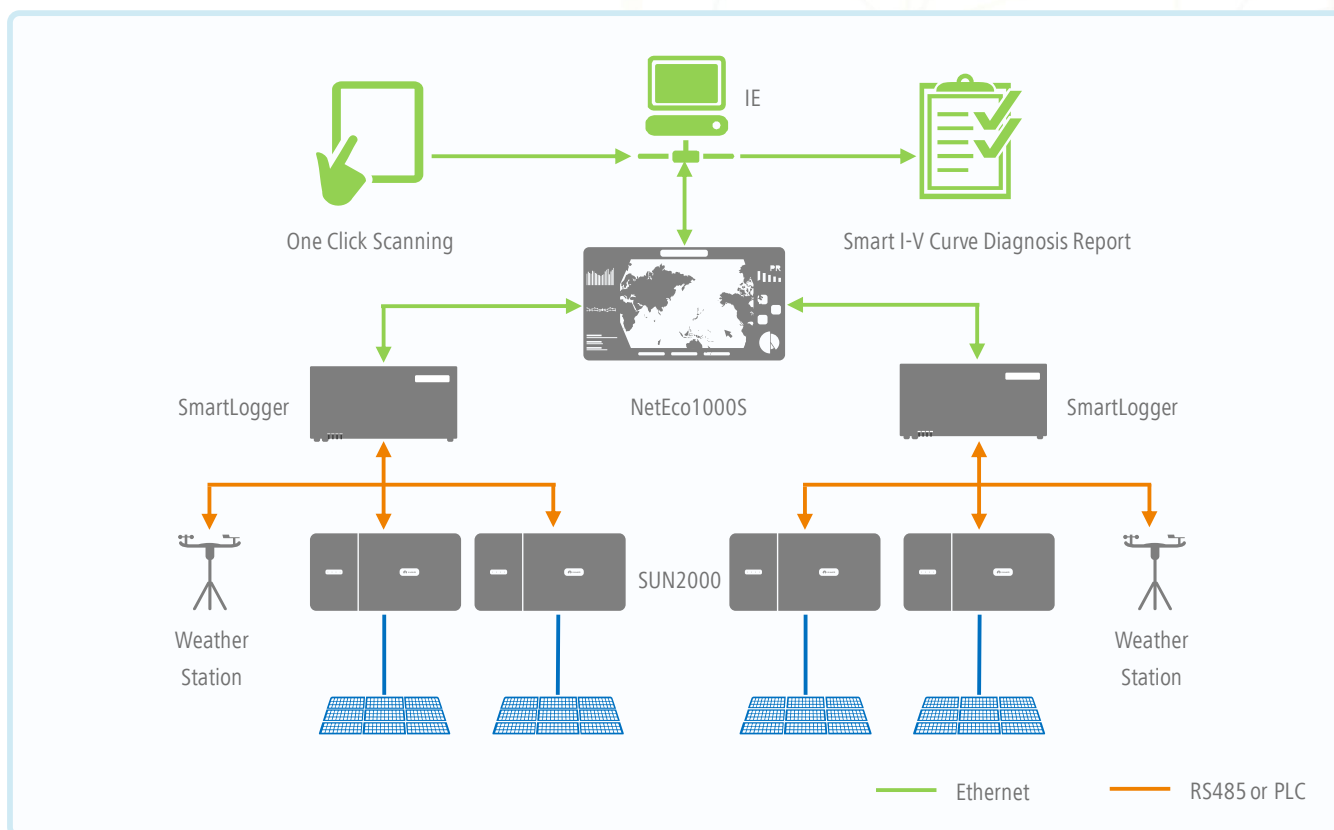


## Smart

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

## Efficient

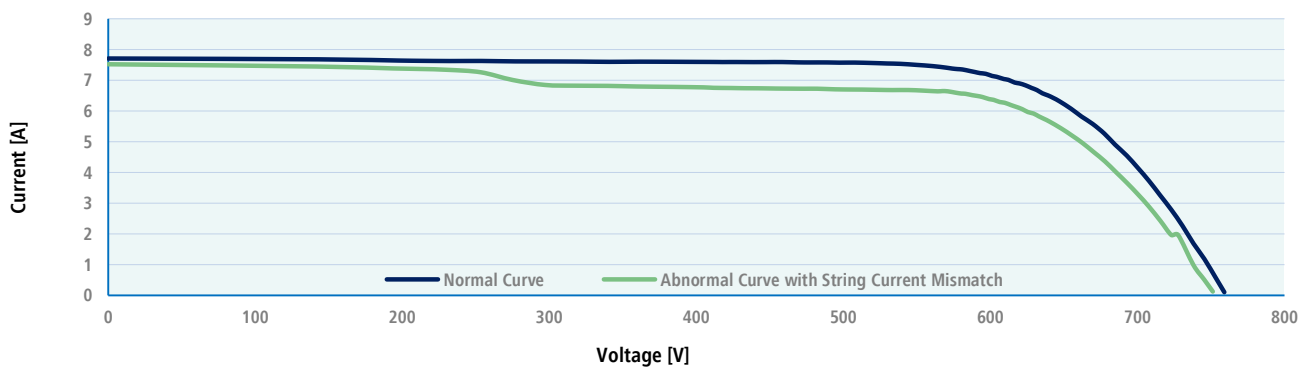
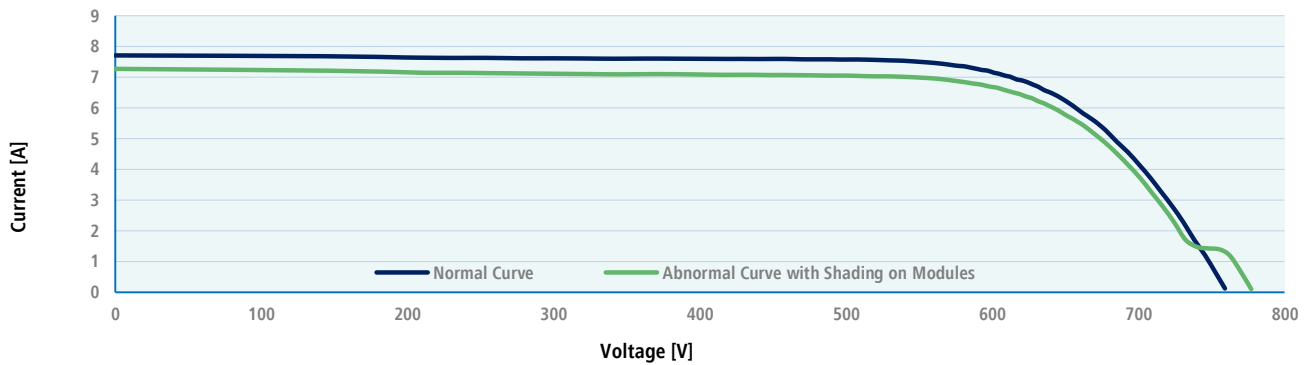
- One-click scanning without onsite experts or equipment
- Completing online I-V curve scanning on all strings of 5 MW plant within 5 mins
- Automatic report generation of 5 MW plant I-V diagnosis within 15 mins



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Technical Specifications	Smart I-V Curve Diagnosis
	<b>Configuration</b>
Smart PV Inverter	SUN2000-33/36/40KTL-US, SUN2000-45KTL-US-HV-D0, SUN2000-100KTL-USH0
Data Logger	SmartLogger1000, SmartLogger2000
Management System	FusionSolar Smart PV Management System, NetEco1000S
	<b>Performance</b>
Scanning Time	< 1 s
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)
<b>Smart I-V Curve Diagnosis is TUV Verified</b>	
<b>String-level Management</b>	<b>Smart I-V Curve Diagnosis</b>
<p>Real time monitoring</p>	<p>Fault Analysis</p>

## String I-V Curve Comparison



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