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.

Diagnosis Talà Management	Disease	sis result																
Configure Sizings	Intersola															Defative	Amore	dagnosis
Michair Classy Management				Laner	d fault	these is	ing Quantity	Inte d		dy Energy Yie.	fault 0	notytion		-	operation		erration	
					9999			0.4					ta (caned b					80
Export Management					North	nd 27		25.2	0		Normal			-				00
					1000	6 48		U.	0		Abnore	w.compon	ent comment o					80
			-		1000	6 24		,	0		Current	manach	in the string	. 6				00
																1000		1 60
	Inspect	ion Details																
		5N 5	Invertor Name			Fault Type		IN: (A)	"		VIII (V)		VINIVIA	langther.	Details			
	•	SUA2000HA112593031	Inverter-1		PV1	Normal	1218.9	58.43	75.96%	9963	1008.6	9.68	0.63	0.93				
	•	SUN2000HA112593031	Invertier-1			hormal	1230.4	5.41	78.32%	5216	1018.2	5.92	0.83	0.95				
	0	SUN2000HA112593031	inverter-1		PV3	Normal	1226.5	5.42	77.57%	5140	1027.2	5.00	0.54	0.92	0			
	0	SUN2000HA112593031	Inverter-1		PV4	Normal	1224.2	5.15	78.36%	4539	1013.0	4.00	0.83	0.95	G			
	0	SUN2000HA112593031	Invertor-1		PhS .	Normal	1224.2	5.31	77 17%	4577	1016.9	4.19	0.83	0.92	Ð			
	0	5.A200044112593031	Inverter 1		PV7	hapmal	1218.9	1043	25.96%	9968	1008.6	5.02	0.83	0.93	D			
	0	5.A200044112513031				Normal	1230.4	5.41	78.52%	5216	1018.2		0.63	0.95	0			
	0	5.A2000HA112593031	Inverter 1			Normal	1226.5	5.42	77.37%	(12)	1027.2	5.00	0.54	0.92	0			
	0		Inverter 1			harmal		5.15		4525	1016.9	410	0.83	0.95	0			
	-		and states a		PARTY	norma .	12242											
	Total In	rmx 2800		_	_	_	HUA		sent price	~ (1 2	3 4	5 - 29	0 >	3 60			



• Support plant-level, array-level and inverter-level analysis and diagnosis

- Support scheduled scanning and proactive presentation of reports
- Automatically identify different failure types and provide recovery suggestion
- Support export of ROI estimation reports and assist in accurate O&M

Efficient

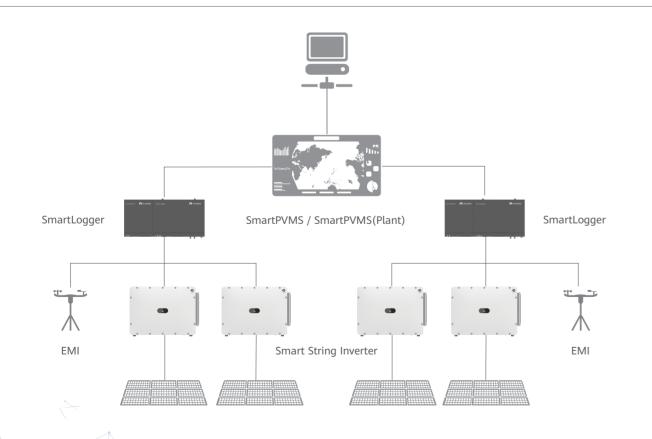
- One-click scanning without onsite experts or equipment
- SCompleting online I-V curve scanning on all strings
- Identification rate, recurrence rate, cause Identification accuracy > 95%

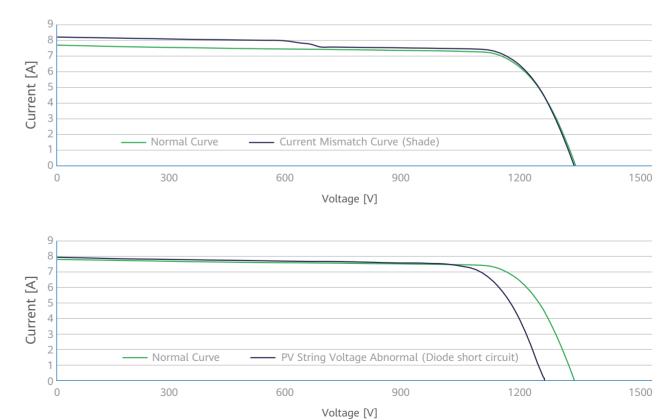
Smart I-V Curve Diagnosis

	Technical Spec
Smart String Inverter	SUN2000-330KT
Data Logger	
SmartPVMS, SmartPVMS(Plant)	
Sampling Points per I-V Curve	
Voltage Accuracy	
Current Accuracy	0.5
	Sma
String-level Mana	agement
	No No<



String I-V Curve Comparison





Network Structure

cifications

TL-H1, SUN2000-330KTL-H2, SUN2000-215KTL-H0...

SmartLogger3000

SmartPVMS, SmartPVMS(Plant)

128

0.5%rdg. + 1dgt. (rdg.>5, dgt.= 0.3)

.5%rdg. + 2dgt. (rdg.>0.3, dgt.= 0.006)

nart I-V Curve Diagnosis Verified by TÜV

Smart I-V Curve Diagnosis