

Solamente-Z

SZ

STRING CHECKER **SZ-200**

SZ-200 is able to find out if defective PV modules are contained in the PV module string quickly by checking impedance and VOC.

SZ-200 provides you accurate measurement under various weather condition, such as low-light-level. You will not be confused!



SZ-200 features;

- Impedance measurement method that provide accurate result
- Auto-start measuring function reduces work load
- Numbering Function that correlate measurement result and physical PV module string
- Records 3000 measuring result
- Measuring result data is exported to PC easily with SDHC card
- Diagnosis function helps operator judgement

The IV measurement results vary greatly depending on the solar irradiance. So IV measurements require a certain amount of solar radiation.



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We recommend Solamente two-step method. It's easy and simple!

Step 1:

Solamente-Z (SZ-200) makes accurate measurement to find out defective PV module string in a short time without influence of weather.

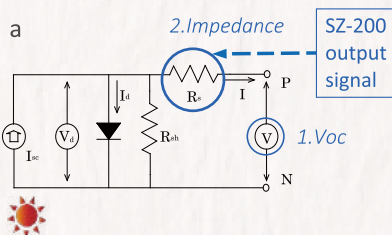
Step 2:

Solamente-iS (SI-200) finds defective PV module out of the PV module string specified by SZ-200.

The combination of Step1 and Step2 provides you quick and correct judgment to identify defective PV module.

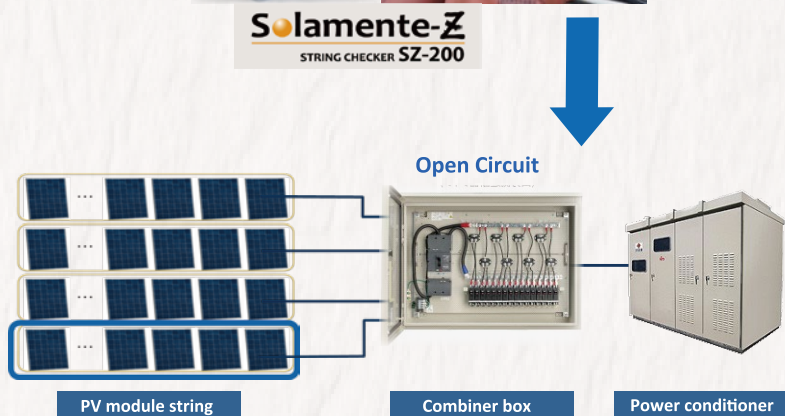


Open a string circuit (turn off a breaker)
Check the circuit by 'Solamente-Z'
Judge by the measured results
-1; VOC



How to identify the type of failure

Type of failure	Solamente-Z		Solamente-iS	
	Voc	Impedance	Breaker on/off state during use	Response of Solamente-iS
Normal	Normal	Low		N/A
PV cell string (cluster) open	Low	Abnormally High	ON	No response
PV cell string (cluster) high resistance	Normal	High	ON	No response
Bypass circuit short	Low	Low	OFF	Detect an electric current



Solamente-Z (SZ-200) Specifications

Main body size (including the silicon cover)	174 x 89 x 48 [mm]
Main body weight (including the silicon cover)	430 + 104(Four alkaline AA-size batteries) [g]
Target PV module	single crystalline, polycrystalline, or heterojunction type
Measurement voltage range	0 to 1,000 [V DC]
Measurement impedance range	0 to 1,000 [Ω]
Power supply	Four alkaline AA-size batteries
Battery lifetime	Approx. 8 hours (2,100 [mAh] with four batteries)
Data number of recordable	Up to 3,000
Operating environment temperature	0 to 40 [$^{\circ}$ C]
Operating environment humidity	85% or less (non condensing)
Cable length of probe	1 [m]
Data saving way	SDHC memory card
Automatic power off function	Available (with power saving function)
Waterproofing	None
Accessories	Probe + cable, SDHC memory card, Strap, Four AA-size alkaline batteries, Case, Operation manual, Quick reference guide, Warranty card, Wall-mounted hook

Contact us

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Specifications and overviews are subject to change without notice.

