

Solamente-iS

SI SOLAR PANEL CHECKER SI-200

SI-200 is able to inspect crystalline PV module without stop operating the PV system.

SI-200 identifies a solar panel with a structural failure (cluster open, cluster high impedance or bypass circuit short) that causes a significant output reduction by applying a sensor to the interconnector on the surface of the PV module to detect the generated current.

SI-200 Features;

- SI-200 sensitive sensor detects current accurately and identifies defective PV module efficiently
- Feedback with sound and LED that ensure smooth inspection
- You can start inspection without having to remove PV cables
- Auto-adjusting function of detection sensitivity that provide stable measurement



株式会社
アイテス
www.solamente.biz

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.

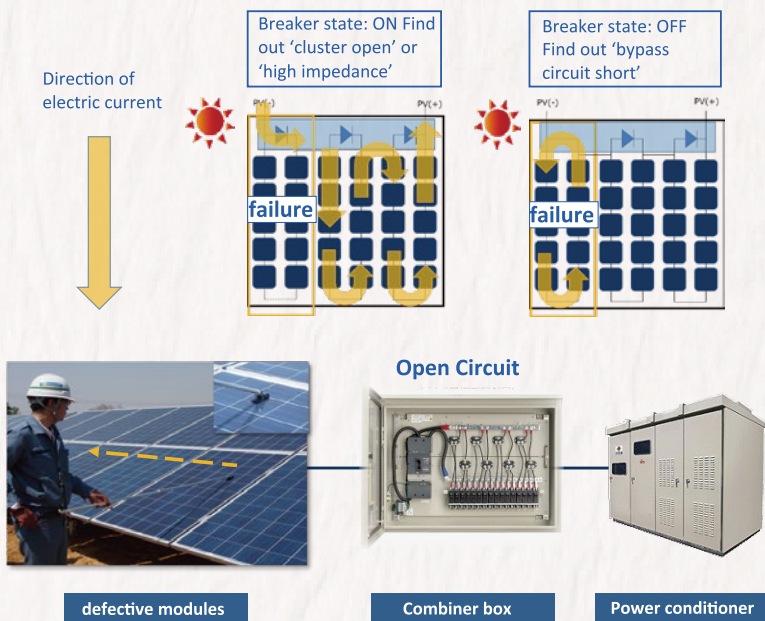
The combination of Step1 and Step2 provides you quick and correct judgment to identify defective PV module.



- 1) Switch on or switch off of the breaker in accordance with the type of failure to find out.
- 2) Check the cell strings by 'Solamente-iS'

How to identify the type of failure

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



Solamente-iS (SI-200) Specifications

Main unit size	Diameter 46 [mm] Length 309 [mm]
Main unit weight	480 (Four alkaline AA-size batteries) [g]
Sensor unit size	48 X 36 X 952 [mm]
Sensor unit Weight	285 [g]
Extension length	900 [mm] (standard)
Target PV module	single crystalline, polycrystalline, or heterojunction type
Minimum detection current	0.5 [A] Per interconnector
Result display function	10 step LED indication Beep sound speaker
Power supply	Four AA-size alkaline Batteries
Battery life time	About 8 hours (2,100 [mAh] x4)
Operating environment temperature	0 to 40 [°C]
Operating environment humidity	85% or less (non condensing)
Auto power off function	Available (with power saving function)
Waterproof	None
Accessories	Extension(90cm), Four AA-size alkaline Batteries, Operation manual, Quick reference guide, Case, Warranty card

Contact us

[Purchase our product]
 Company name: Yingli Green Energy Japan Co., Ltd.
 TEL: +81-3-6809-6596
 FAX: +81-3-6809-6597
 E-Mail: info-japan@yingli.com
 Homepage Address: <http://www.yinglisolar.co.jp/>
 business hours: 9:00 AM - 17:30 PM

[How to use]
 Company name: Yingli Green Energy Japan Co., Ltd.
 TEL: +81-3-6809-6596
 FAX: +81-3-6809-6597
 E-Mail: info-japan@yingli.com
 Homepage Address: <http://www.yinglisolar.co.jp/>
 business hours: 9:00 AM - 17:30 PM

Specifications and overviews are subject to change without notice.

