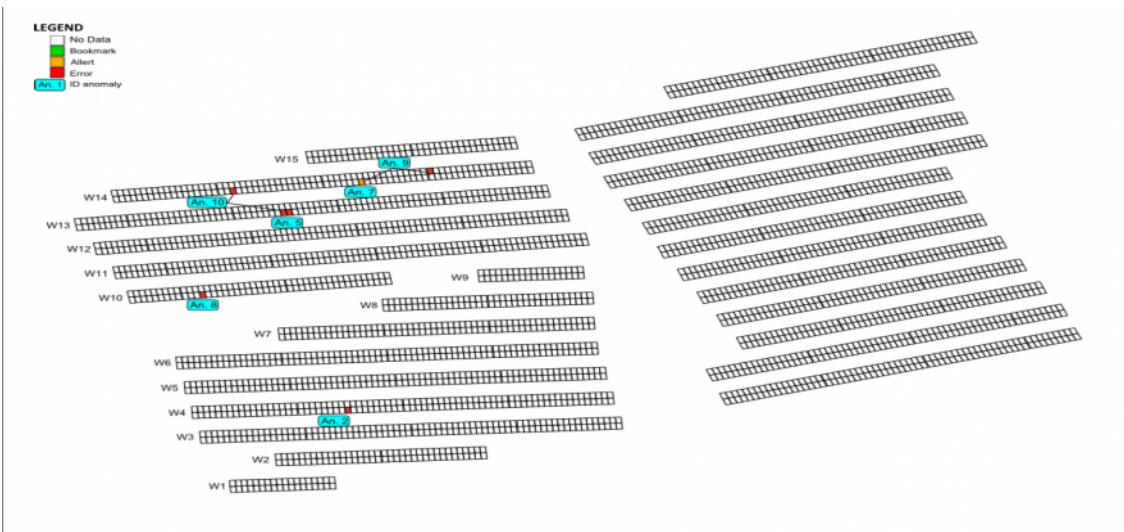


## *Inspection Report*

<i>General information</i>	
<i>name</i>	<i>TestLongEnoughName COMPANY</i>
<i>line1</i>	<i>3001 South King Dirve</i>
<i>line2</i>	<i>Apt215</i>
<i>City</i>	<i>Chicago</i>
<i>State</i>	<i>IL</i>
<i>Country</i>	<i>United State</i>
<i>Zipcode</i>	<i>60616</i>
<i>Total Failure</i>	<i>7</i>
<i>Tips</i>	<i>HAHAHA</i>

*Index map of detected failures*

## Failure Summary

Panel Label	Issue
CB-1.1-2.13	Defective Bypass Diode
CB-1.1-2.3	Cell Hotspot
CB-1.1-7.2	Connector or Fuse Issue
CB-1.3-9.14	Cell Hotspot
CB-1.4-15.14	Cell Hotspot
CB-1.7-10.13	Connector or Fuse Issue

## Environment Summary

Weather Info	
general	Sunny
Temperature	23 °C
wind	10 mpf

Inspection Area Info	
MODULE MODEL	CHINA SUNERGY CSUN310-72P
MODULE STC DC RATING	310W
MODULES PER SOURCE CIRCUIT	19
TOTAL MODULE COUNT	8,436
TOTAL STC DC SYSTEM SIZE (KW)	2615.16
TOTAL AC SYSTEM SIZE (KW)	2000
INVERTER MODEL	(2) SOLECTRIA SGI 750XTM (750kW) AND (1) 500XTM (500kW)
RACKING SYSTEM	GAME CHANGE
MODULE TILT	25°
ARRAY AZIMUTH	180°
SITE LATITUDE	36°N

## Detailed failure report

Panel Label	Latitude	Longitude
	36.0218	-78.0083
Video Time	Issue	Affected Nodes
172.311		Add IN Future
<b>Index Map Picture</b>		



Panel Label	Latitude	Longitude
CB-1.1-2.13	36.0227	-78.009
Video Time	Issue	Affected Nodes
8.81579	Defective Bypass Diode	Add IN Future
<b>Index Map Picture</b>		



Panel Label	Latitude	Longitude
CB-1.1-2.3	36.0227	-78.0091
Video Time	Issue	Affected Nodes
6.79823	Cell Hotspot	Add IN Future
<b>Index Map Picture</b>		



Panel Label	Latitude	Longitude
CB-1.1-7.2	36.0227	-78.008
Video Time	Issue	Affected Nodes
30.3437	Connector or Fuse Issue	Add IN Future
<b>Index Map Picture</b>		



Panel Label	Latitude	Longitude
CB-1.3-9.14	36.0225	-78.009
Video Time	Issue	Affected Nodes
58.686	Cell Hotspot	Add IN Future
<b>Index Map Picture</b>		



Panel Label	Latitude	Longitude
CB-1.4-15.14	36.0224	-78.0092
Video Time	Issue	Affected Nodes
64.2367	Cell Hotspot	Add IN Future
<b>Index Map Picture</b>		



Panel Label	Latitude	Longitude
CB-1.7-10.13	36.022	-78.0088
Video Time	Issue	Affected Nodes
134.439	Connector or Fuse Issue	Add IN Future
<b>Index Map Picture</b>		



## Flight Coverage Map



## Detailed Coverage Map



## Terms And Definition

Term	Definition
Mode Index expression	Based on user company rule. E.G.: CB-1.1-2.3. CB: combiner box, 1.1: Area 1 row 1, 2.3: Third of second line
Hot spot	A module(s) identified to be warmer than others suggests the module is disconnected from the system (i.e., open circuited)
Defective Bypass Diode	Randomly heated cell patterns can suggest all bypass diodes have short circuited or that a module is incorrectly connected
Cracked	A module(s) identified obviously broken
Connector of Fuse Issue	Cells are identified to be cooler much more than others suggest the problems in Connector of Fuse Issue

## Analysis

### Inspection Result

Errors	7
Inspected Modes	1654
Error Rate	0.423216444982

