



VP Engineering  
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CIXI  
ZHEJIANG 315323 CHINA

Date: 2010/01/29  
Subscriber: 100514072  
PartySite: 1801875  
File No: E330411  
Project No: 10CA02938  
PD No: 10M04489  
Type: R  
PO Number: LI YOULIANG 30-D

Subject: **Procedure And/Or Report Material**

The following material resulting from the investigation under the above numbers is enclosed.

Issue				Revised Date
Date	Vol	Sec	Pages	
		1	Rec Comp Mark Data Pgs	
2009/10/26	1	1	Revised Description Page(s) 5	2010/01/29
2009/10/26	1	1	New Figure(s) 3	2010/01/29
2009/10/26	1	1	New Illustration(s) 15	2010/01/29
2009/10/26	1	1	New Test Record 2	2010/01/29

Inspections at your plant will be conducted under the supervision of LING JIANYI, UL INSPECTION CENTER HANGZHOU, CHINA NAT'L IMPORT & EXP COM INSP CORP, YAOJIANG DEVELOPING CENTER, 9TH FL, 305 HUANCHENG NORTH RD, HANGZHOU, ZHEJIANG, China, 310012., PHONE: 571-8578-6148, FAX: +86-571-8578-6199, EMAIL: HZULIC@ZGB.COM.CN

Please file revised pages and illustrations in place of material of like identity. New material should be filed in its proper numerical order.

NOTE: Follow-Up Service Procedure revisions DO NOT include Cover Pages, Test Records and Conclusion Pages. Report revisions DO NOT include Authorization Pages, Indices, Section General Pages and Appendixes.

Please review this material and report any inaccuracies to UL China (Suzhou) Customer Service, PHONE: 86-512-6808-6400, FAX: 86-512-6808-4099, E-MAIL: customerservice.cn@cn.ul.com, referring to the above Project and/or PD Numbers.

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SUZ File

UL INSPECTION CENTER 325

Recognized Component Marking Data Page (RCMDP)

(FILE IMMEDIATELY AFTER AUTHORIZATION PAGE)

RECOGNIZED COMPONENT MARKING

Products Recognized under UL's Component Recognition Service are identified by marking elements consisting of:

1. The Recognized Company's identification specified in this document.
2. A catalog, model or other applicable product designation specified in the descriptive sections of this document.
3. The UL Recognized Component Mark shown below.

Only those components, which actually bear the Marking, should be considered as being covered under the Recognition Program. The UL Listing or Classification Mark is not authorized for use on or in connection with Recognized Components.

Recognized Component Mark



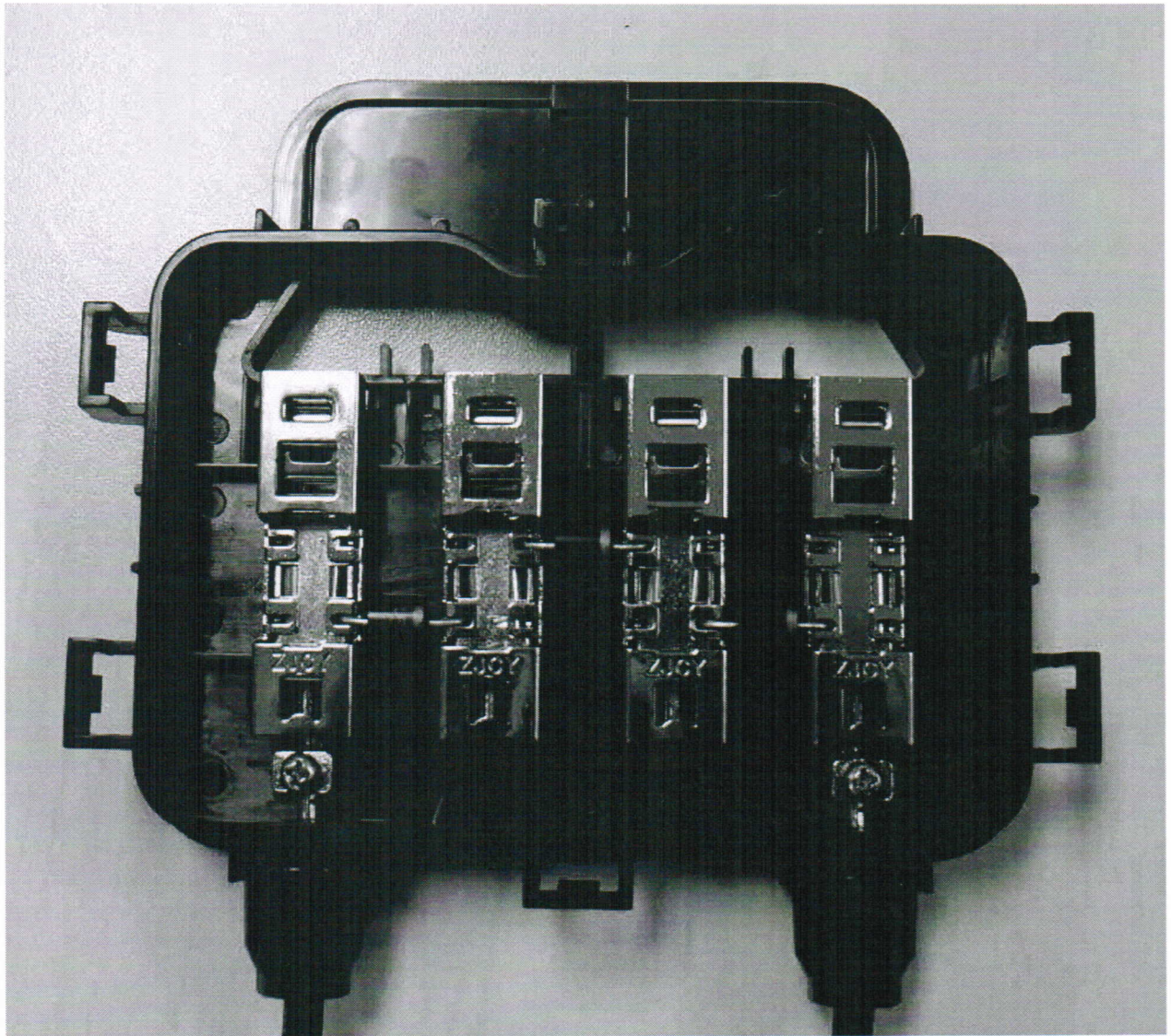
Minimum size of the Recognized Component Mark is not specified as long as it is legible. Minimum height of the registered symbol ® shall be 3/64 inch but may be omitted if it is out of proportion to the Recognized Component Mark or not legible to the naked eye.

The manufacturer may reproduce the Mark electronically. Any decision regarding the acceptability of the manufacturer's Mark reproduction will be made at the Reviewing Office.

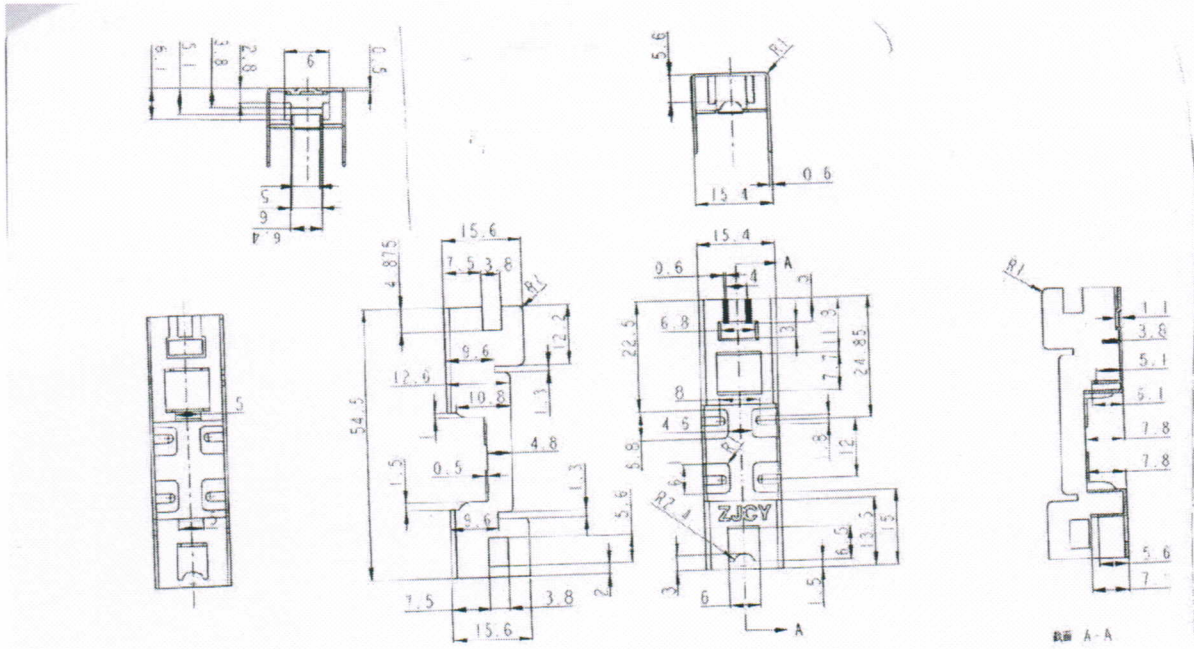
## WIRING BOX DETAILS:

Models PV-CY801 and PV-CY802 - Fig. 1, Fig. 2, Fig. 3 &amp; Ill. 1-15

1. Enclosure Base - R/C (QMFZ2), SABIC INNOVATIVE PLASTICS B V (E45329), Type V0150B(f1), black (rated 5VA, Elec. RTI=110, Mech. Imp. RTI=105, Mech. Str. RTI=115, HWI=0, HAI=0, CTI=2), outer dimensions 139 mm by 123 mm by 20.4 mm, min. 2.0 mm thickness except decorative parts. For details see Ill. 2.
2. Enclosure Cover - R/C (QMFZ2), R/C (QMFZ2), SABIC INNOVATIVE PLASTICS B V (E45329), Type V0150B(f1), black (rated 5VA, Elec. RTI=110, Mech. Imp. RTI=105, Mech. Str. RTI=115, HWI=0, HAI=0, CTI=2), outer dimensions 139 mm by 96 mm, min. 2.0 mm thickness except decorative parts. For details see Ill. 3.
3. Cover Gasket - R/C (JOHX2), Xiamen Maifeng Seal Products Co., Ltd (MH45756), Type SIL4567, 2.65 mm in diameter. For details see Ill. 4.
4. Internal Plastic Bracket - R/C (QMFZ2), E I DUPONT DE NEMOURS & CO INC (E41938), Type FR7025V0F(+), any color (rated V-0, Elec. RTI=130, Mech. Str. RTI=85, HWI=3, HAI=0, CTI=0), outer dimensions 53 mm by 19 mm by 17, min. 0.75 mm thickness except decorative parts. For details see Ill. 5.  
  
**Alternate - Internal Metal Bracket - Nickel-plated Copper, 54.5 mm by 15.6 mm by 15.4 mm, 0.6 mm thick, 4 provided. For details see Ill. 15.**
5. Current carrying parts - Consists of the following items:
  - A. Internal Conductor Plate - Tin-plated Copper, 46 by 14 by 12 mm, 0.8 mm thick, 6 provided. For details see Ill. 6.
  - B. Spring (I) - Stainless Steel, 12 by 10 by 6.8 mm, 0.3 mm thick, used for securing the tabbing, 4 provided. For details see Ill. 7.
  - C. Spring (II) - Stainless Steel, 11 by 10 by 8.5 mm, 0.5 mm thick, used for securing the tabbing, 4 provided. For details see Ill. 7.
  - D. Spring (III) - Stainless Steel, 19 by 11 by 7 mm, 0.3 mm thick, used for securing the diode, 4 provided. For details see Ill. 8.
6. Cable gland assembly - Consists of the following items:
  - A. Fastening Screw - Stainless Steel, M4x6. Used to secure the cable terminal fastener, 2 provided.
  - B. Cable Terminal Fastener - Stainless Steel, 13.4 by 9 by 6 mm, with 3.3 mm diameter hole for fastening screw. Used to secure the spring (IV), 2 provided. For details see Ill. 9.
  - C. Cable Gland Body - Integrally molding on the enclosure base, the same material as enclosure base.
  - D. Spring (IV) - Tin-plated Copper, 7.9 by 3.5 mm, 0.2 mm thick. For details see Ill. 10.



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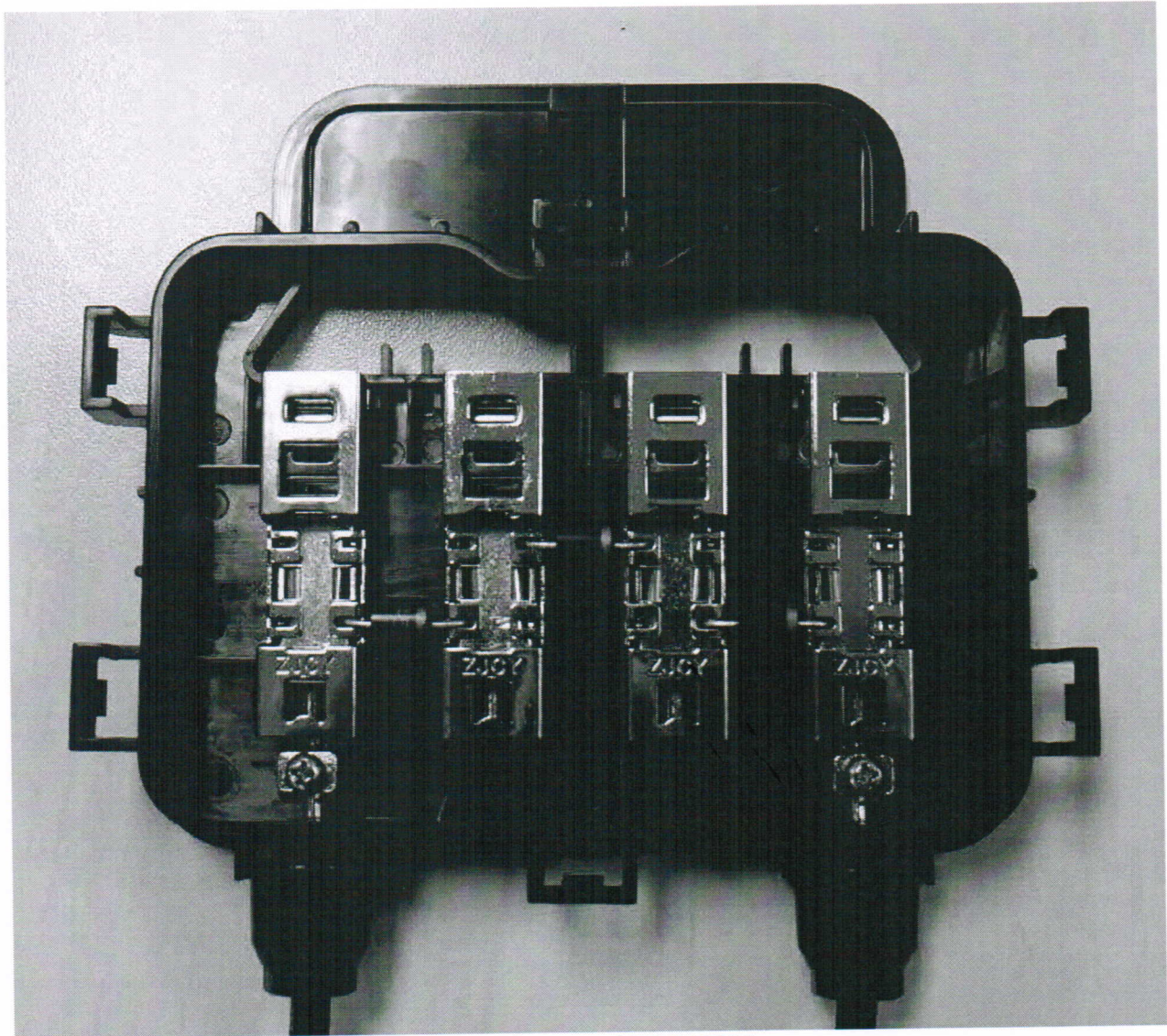
标记	处数	分区	更改文件	签名	年、月、日
设计				徐彬	2010-1-13
审核					
工艺			批准		

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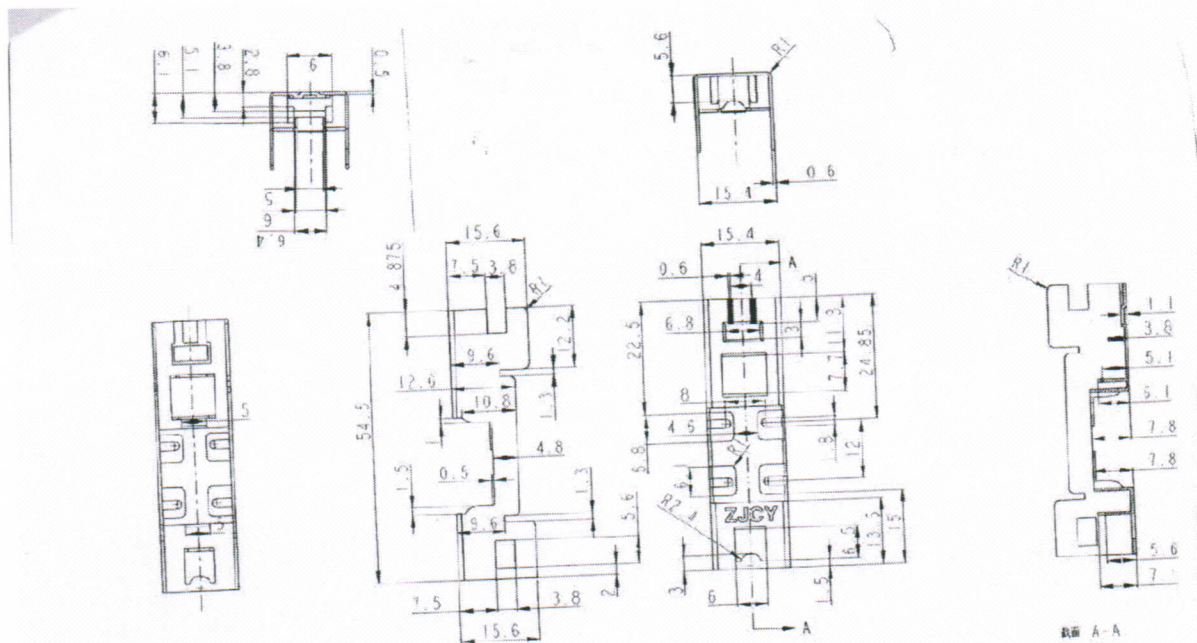
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标记	处数	分区	更改文件	签名	年、月、日
设计				张林	2010-1-13
审核					
工艺			批准		

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## TEST RECORD NO. 2

The Applicant requested to alternate Internal Metal Bracket corresponding to the previous Internal Plastic Bracket.

## SAMPLES:

Samples of the PV Junction Boxes as indicated below and constructed as described herein, were submitted by the manufacturer for examination and test.

Cat. Nos. PV-CY801 with alternate Internal Metal Bracket

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## GENERAL:

After construction review, the alternate Internal Metal Bracket complies with Section 8 of UL 1703, Current-Carrying Parts and Internal Wiring, and was considered suitable for use as brackets in the related Junction Boxes. Due to the fact that this part is nearly identical in physical shape to the current polymeric part, no testing was considered necessary.

## Test Record Summary:

The results of this investigation indicate that the products evaluated comply with the applicable requirements of the "Standard for Safety for Flat-Plate Photovoltaic Modules and Panels", UL 1703, 3rd edition, dated March 15, 2002, contains revisions through and including April 8, 2008, and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

Any information and documentation involving UL Mark services are provided on behalf of Underwriters Laboratories Inc. (UL) or any authorized licensee of UL.

TestRecord by:

Reviewed by:

Quentin Yan  
Engineer  
Ellie Wu  
Engineer

Jason Knedlhans  
Project Engineer