




TEST REPORT N°: BYB-12JA0104STSP

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Factory name:	SHANGHAI BYD CO., LTD
Location:	No.999 Xiangjing Road, Songjiang, Shanghai, P.R.China

	Start date:	Jan. 9, 2012
	Finish date:	Feb. 22, 2012
	Standard(s) used:	<input checked="" type="checkbox"/> IEC 61730-2:2007
	Clause(s) examined:	Clause MST23 of IEC EN61730-2: 2007
	Product:	Photovoltaic (PV) Module(s)
	Reference(s):	BYD235P6-30

CONCLUSION: The sample satisfies to the clauses examined.

Test done by,  Walker Wang	Approved by,  Sam Shen
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This report is for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents. Unless specific mention, the uncertainty of measurement has been explicitly taken into account to declare the compliance or non-compliance to the specification.



Historical of sample received:

Internal Sample number	Serial number	Remarks	Date of reception
SH111221/068	SH111214P630AS71-118	No	Dec.22, 2011
SH111221/069	SH111213P630AS69-003	No	Dec.22, 2011
SH111221/070	SH111127P630AS72-907	No	Dec.22, 2011
SH111221/071	SH111120P630AS71-055	No	Dec.22, 2011
SH111221/072	SH111120P630AS71-016	No	Dec.22, 2011
SH111221/073	SH111127P630AS72-903	No	Dec.22, 2011

Summary of testing:

The tests in this report are FIRE TEST which are performed on the type BYD235P6-30.

The fire resistance class performed in the fire test is Class C, according to IEC61730-2:2007.

Regarding the information of the components approved by this test, please refer to the annex on Page 8.



COPY OF RATING PLATE:

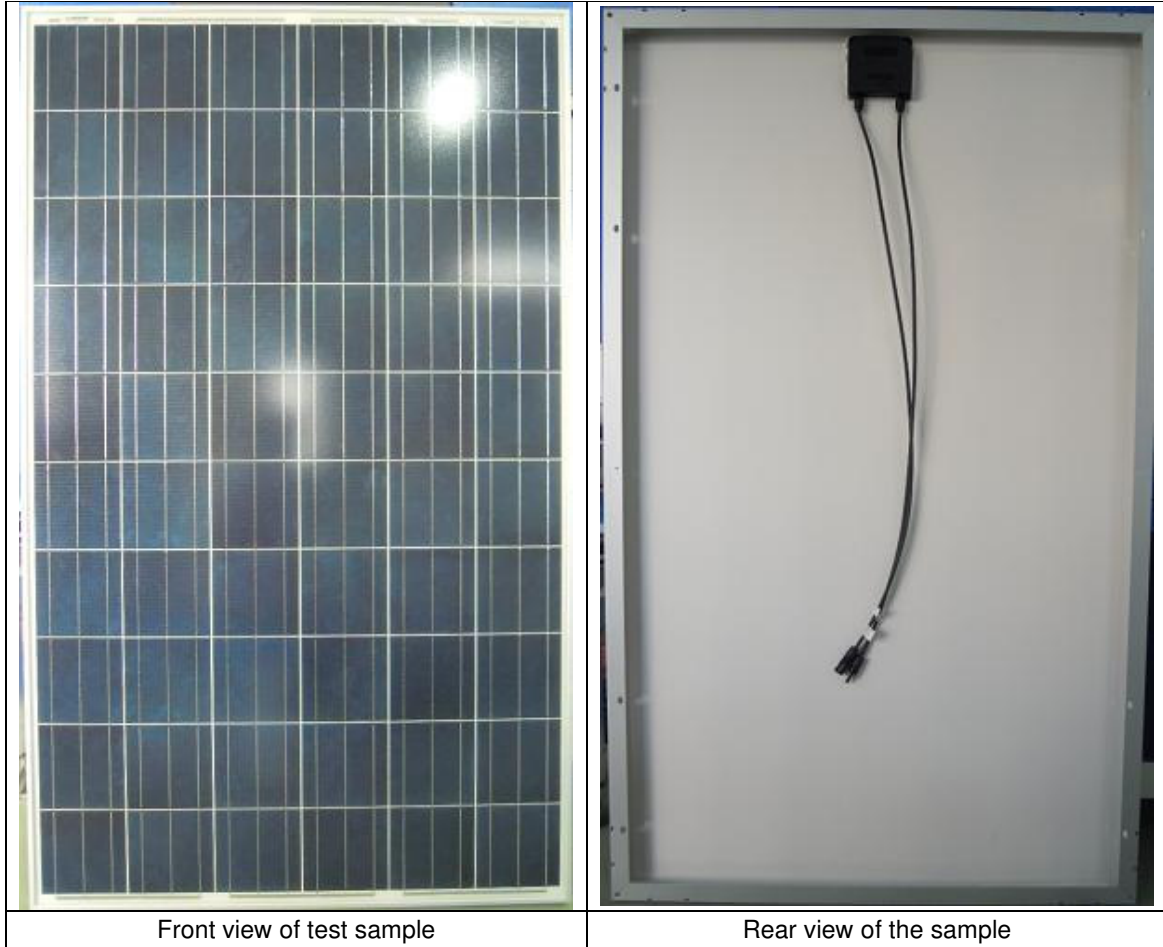
Only markings in (Language checked) language present on the sample tested were checked and validated during this examination.



Name of manufacturer:	SHANGHAI BYD CO., LTD
Monogram or symbol of manufacturer:	
Type or model number:	BYD235P6-30
Serial number:	SH111221/068, SH111221/069, SH111221/070, SH111221/071, SH111221/072, SH111221/073
Polarity of terminals or leads:	Minus and Plus
Maximum system voltage:	1000V
The date and place of manufacture:	No.999 Xiangjing Road, Songjiang, Shanghai, P.R.China

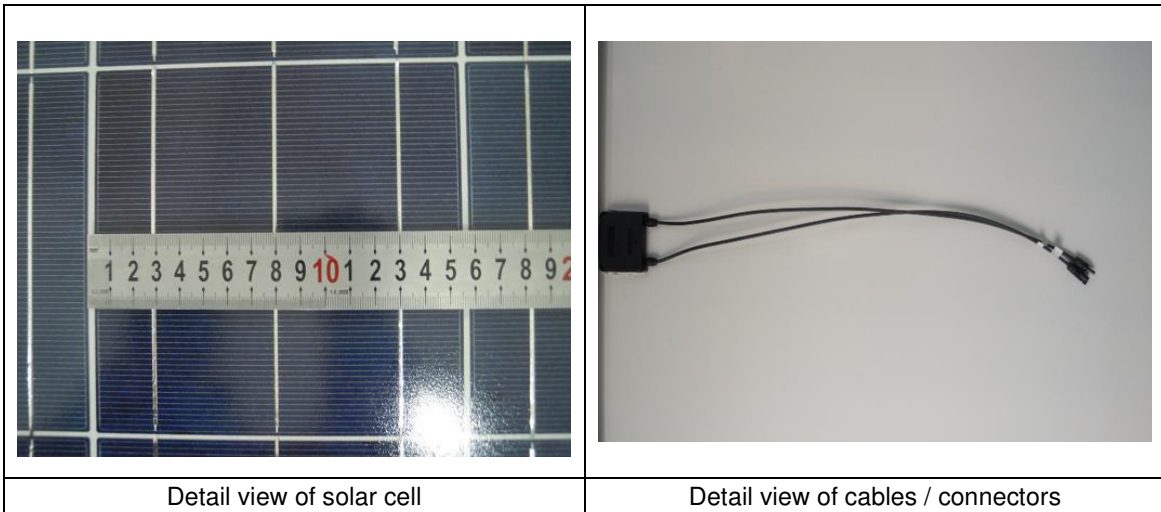
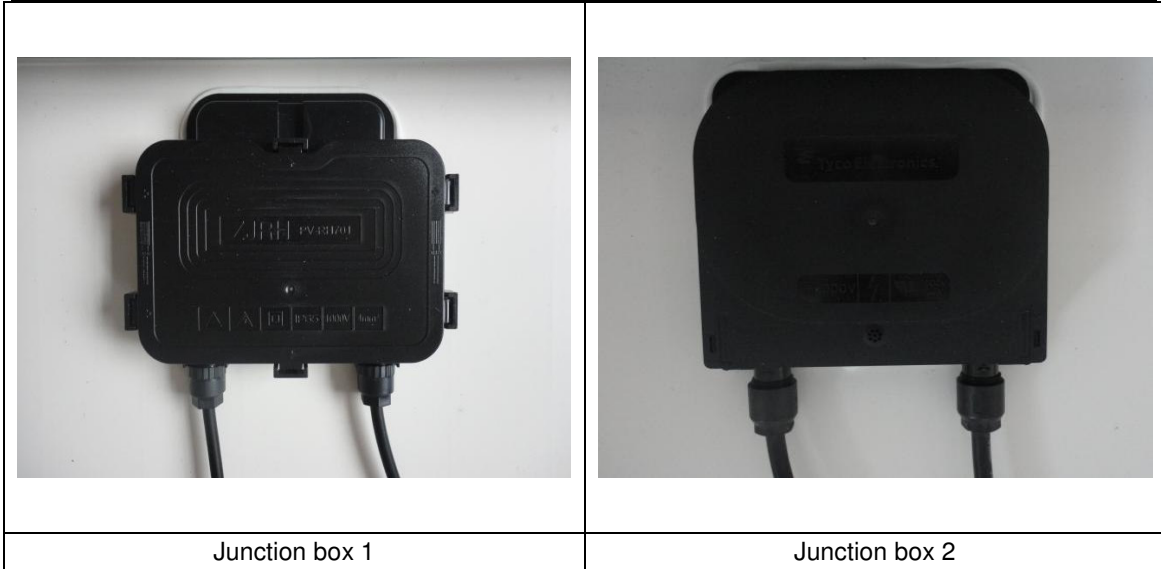


PICTURE OF THE SAMPLE TESTED



Front view of test sample

Rear view of the sample





1 Module sampling

- Prototype samples
- Samples from pilot production
- Samples from serial production. Sampled according to IEC 60410

2 List of performed tests and summary of tests results

Tests	Title	Test conditions	Tests Performed	Tests Results
MST01	Visual inspection	See detailed in clause MST01	X	P
MST23	Fire test	See detailed in clause MST23	X	P

Test object does meet the requirement: P(Pass),
Test object does not meet the requirement: F(Fail)

Test case does not apply to the test object: NA(Not Applicable)
Test object does not demand: ND(not demanded)



3 Evaluation IEC 61730-2 qualification testing

3.1 Initial visual inspection (MST01)

Internal Sample number	Descriptions of defect(s) met
SH111221/068	No defect
SH111221/069	No defect
SH111221/070	No defect
SH111221/071	No defect
SH111221/072	No defect
SH111221/073	No defect

3.2 Fire test (clause MST 23):

Test Approach 1:	Spread of Flame		
Internal Sample number:	SH111221/069, SH111221/070, SH111221/071		
Wind Speed (m/s):	Left: 5.31	Middle: 5.19	Right: 5.22
Fire Temperature (°C):	715.4		
Test Duration (min):	4		
Result:	Cracks appeared on the first sample, but no glass fell down from the panel. No spread of flaming was observed during the test, and no significant displacement of portions of the sample either.		

Test Approach 2:	Burning Brand		
Internal Sample number:	SH111221/068, SH111221/072, SH111221/073		
Wind Speed (m/s):	Left: 5.32	Middle: 5.27	Right: 5.15
Fire Temperature (°C):	888.0		
Number of wood blocks:	20		
Result:	Bubbles and little melting appeared on the substrate, but no observable displacement and no exposure or falling away of portions of the sample.		

Conclusion: Test Passed Test Failed

Comments:



Annex: List of main components of BYD235P6-30

Component	Supplier	Type	Specification
EVA	Bridgestone	S11	Thickness 0.5mm
Glass	CSG	Tempered glass	Thickness 3.2mm
Substrate	Taiflex	BTNTA01025	/
Frame	Xisha	/	Thickness 50mm