



Certificate of Factory Production Control

This certificate has been issued to

Jiangyin Hareon Power Co. Ltd.

of

**No. 178, Huanzhen North Road,
Huangtang, Industrial Zone, Xuxiake Town,
Jiangyin, Jiangsu, 214407,
People's Republic of China.**

whose production management system has been assessed and found to comply with the Factory Production Control Requirements of the MCS Product Certification Scheme in respect of:

Production of Photovoltaic Solar Panels

at the above address and additional site listed on the annex

and includes the ranges of Photovoltaic Solar Modules as detailed on the attached annex to this certificate

Signed:

on behalf of BABT

Certificate Number: BABT 8536 R5

Valid from: 11th March 2014

This Certificate expires on: 10th March 2017



The holder of this certificate is authorised to use the MCS Approved Product Mark. This certificate has been issued by BABT in accordance with the Certification Regulations of BABT. Conditions of validity of this certificate, if any, are listed in the Annex. This certificate is not transferable and remains the property of BABT at all times. This certificate constitutes page 1 of the combined Certificate and Annex.

(For scope of certification prior to the validity date on this certificate please refer to BABT)

Annex to Certificate Number BAPT 8536 R5



Manufacturing Location(s):

Jiangyin Hareon Power Co. Ltd.,
No. 178, Huanzhen North Road,
Huangtang, Industrial Zone,
Xuxiake Town,
Jiangyin, Jiangsu, 214407,
People's Republic of China.

Jiangyin Xinhui Solar Energy Co. Ltd.,
No.15, Xinyang Road,
Xinqiao Town,
Jiangyin City, Jiangsu, 214426,
People's Republic of China.

No. 69 Anjiang Road
Port Development Zone
Taicang
Jiangsu 215434
People's Republic of China.

Standards used to establish conformity:

MCS005 Issue 2.3 and MCS010 Issue 1.5 on the basis of a BAPT Assessment Report number BAPT 8536 dated 30th December 2010 and subsequent information and test data supplied and accepted by BAPT.

Product Categories within the Scope of this Certification

Product Category	Conditions
Photovoltaic Panels	See below

Products within the Scope of this Certification

Product Category	Conditions
<p>BAPT 8536-01: HR-aaaW (aaa = 155-205 in 5W steps);</p> <p>BAPT 8536-02: HR-bbbW (bbb = 190-230 in 5W steps);</p> <p>BAPT 8536-03: HR-cccW (ccc = 235-285 in 5W steps);</p> <p>BAPT 8536-04: HR-dddW (ddd = 170-185 in 5W steps);</p> <p>BAPT 8536-05 to 09 withdrawn.</p> <p>72 cells, 5" Mono Modules:</p> <p>BAPT 8536-10: HR-xxx-24/Aa (xxx = 160-205 in 5W steps);</p> <p>BAPT 8536-47: HR-xxx-24/Aa-1 (xxx = 160-205 in 5W steps);</p> <p>BAPT 8536-11: HR-xxx-24/Aab (xxx = 160-205 in 5W steps);</p> <p>BAPT 8536-12: HRxxxE5M (xxx = 160-195 in 5W steps);</p> <p>96 cells, 5" Mono Modules:</p> <p>BAPT 8536-13: HR-xxx-32/Az (xxx = 230-260 in 5W steps);</p> <p>BAPT 8536-14: HRxxxF5M (xxx = 230-260 in 5W steps);</p> <p>BAPT 8536-35: HR-xxx-24Aap (xxx = 160-205, in 5W steps);</p> <p>BAPT 8536-36: HR-xxx-24Aap (xxx = 160-205, in 5W steps);</p>	<p>This certificate covers a family of Photovoltaic Solar Panels which may use either Monocrystalline or Polycrystalline cells.</p> <p>The products use 48, 54, 60 and 72 cells respectively and are manufactured using the same processes and materials.</p>

Annex to Certificate Number BABT 8536 R5



Product Category (continued)	Conditions
<p>54 cells, 6" Mono Modules:</p> <p>BABT 8536-15: HRxxxC6M (xxx=190-235 in 5W steps);</p> <p>60 cells, 6" Mono Modules:</p> <p>BABT 8536-16: HRxxxD6M (xxx = 210-265 in 5W steps); BABT 8536-17: HR-xxx-18/Cb (xxx = 200-265 in 5W steps); BABT 8536-18: HR-xxx-18/Cbb (xxx = 200-265 in 5W steps); BABT 8536-39: HR-xxx-18Cb-1 (xxx = 200-265, in 5W steps); BABT 8536-40: HR-xxx-18Cbp (xxx = 200-265, in 5W steps);</p> <p>72 cells, 6" Mono Modules:</p> <p>BABT 8536-19: HRxxxE6M (xxx = 250-320 in 5W steps); BABT 8536-20: HR-xxx-24/Ca (xxx = 235-320 in 5W steps); BABT 8536-21: HR-xxx-24/Cab (xxx = 235-320 in 5W steps); BABT 8536-37: HR-xxx-24Ca-1 (xxx = 235-320, in 5W steps); BABT 8536-38: HR-xxx-24Cap (xxx = 235-320, in 5W steps);</p> <p>60 cells, 6" Quasi-Mono Modules:</p> <p>BABT 8536-22: HR-xxx-18/Db (xxx = 210-275 in 5W steps); BABT 8536-23: HR-xxx-18/Dbb (xxx = 210-275 in 5W steps); BABT 8536-48: HR-xxx-18/Dbp (xxx = 210-275, in 5W steps);</p> <p>72 cells, 6" Quasi-Mono Modules:</p> <p>BABT 8536-24: HR-xxx-24/Da (xxx = 250-330 in 5W steps); BABT 8536-25: HR-xxx-24/Dab (xxx = 250-330 in 5W steps); BABT 8536-44: HR-xxx-24/Dap (xxx = 250-330, in 5W steps);</p> <p>54 cells, 6" Poly Modules:</p> <p>BABT 8536-26: HRxxxC6P (xxx = 190-230 in 5W steps);</p> <p>60 cells, 6" Poly Modules:</p> <p>BABT 8536-27: HRxxxD6P (xxx = 215-260 in 5W steps); BABT 8536-28: HR-xxxP-18/Bb (xxx = 200-260 in 5W steps); BABT 8536-29: HR-xxxP-18/Bbb (xxx = 200-260 in 5W steps); BABT 8536-30: HR-xxxP-18/Bb-1 (xxx = 200-260, in 5W steps); BABT 8536-41: HR-xxxp-18Bbp (xxx = 200-260, in 5W steps); BABT 8536-42: HR-xxxp-18Ebb (xxx = 215-255, in 5W steps);</p> <p>72 cells, 6" Poly Modules:</p> <p>BABT 8536-31: HRxxxE6P (xxx = 255-310 in 5W steps); BABT 8536-32: HR-xxxP-24/Ba (xxx = 245-310 in 5W steps); BABT 8536-33: HR-xxxP-24/Bab (xxx = 245-310 in 5W steps); BABT 8536-34: HR-xxxP-24/Ba-1 (xxx = 245-310 in 5W steps); BABT 8536-43: HR-xxxp-24Bap (xxx = 245-310, in 5W steps); BABT 8536-45: HR-xxxp-24Eab (xxx = 255-310, in 5W steps);</p>	<p>This certificate covers a family of Photovoltaic Solar Panels which may use either Monocrystalline or Polycrystalline cells.</p> <p>The products use 48, 54, 60 and 72 cells respectively and are manufactured using the same processes and materials.</p>

Annex to Certificate Number BAPT 8536 R5



Product Category	Conditions
<p>120 cells, 6" Poly Modules</p> <p>BAPT 8536-46: HR-xxxp-36/HBb (xxx = 250-330, in 5W steps);</p> <p>BAPT 8536-01: HR-aaaW (aaa = 155-205 in 5W steps);</p> <p>BAPT 8536-02: HR-bbbW (bbb = 190-230 in 5W steps);</p> <p>BAPT 8536-03: HR-cccW (ccc = 235-285 in 5W steps);</p> <p>BAPT 8536-04: HR-dddW (ddd = 170-185 in 5W steps);</p> <p>BAPT 8536-05 to 09 withdrawn.</p> <p>72 cells, 5" Mono Modules:</p> <p>BAPT 8536-10: HR-xxx-24/Aa (xxx = 160-205 in 5W steps);</p> <p>BAPT 8536-47: HR-xxx-24/Aa-1 (xxx = 160-205 in 5W steps);</p> <p>BAPT 8536-11: HR-xxx-24/Aab (xxx = 160-205 in 5W steps);</p> <p>BAPT 8536-12: HRxxxE5M (xxx = 160-195 in 5W steps);</p> <p>96 cells, 5" Mono Modules:</p> <p>BAPT 8536-13: HR-xxx-32/Az (xxx = 230-260 in 5W steps);</p> <p>BAPT 8536-14: HRxxxF5M (xxx = 230-260 in 5W steps);</p> <p>BAPT 8536-35: HR-xxx-24Aap (xxx = 160-205, in 5W steps);</p> <p>BAPT 8536-36: HR-xxx-24Aap (xxx = 160-205, in 5W steps);</p>	<p>This certificate covers a family of Photovoltaic Solar Panels which may use either Monocrystalline or Polycrystalline cells.</p> <p>The products use 48, 54, 60 and 72 cells respectively and are manufactured using the same processes and materials.</p>



Conditions:

This certificate authorizes the manufacturer or their authorized representative to apply the MCS Approved Product Mark to the range of products listed above in accordance with the MCS sub-licence agreement dated **21th February 2011**.

This certificate loses its validity if the manufacturer makes any changes or modifications to the product or the approved quality system, which have not been notified to, and agreed with BABT.

This certificate refers to TÜV-SÜD Constructional Data Form number 70.406.12.619.02-04 and 70.406.12.619.04-04 dated Sept. 16, 2013 for referenced build levels and accepted constructional materials.

The manufacturer must immediately cease affixing the MCS Approved Product Mark on any product subject to expiry, withdrawal or revocation of this certificate.

Signed:  Valid From: 11th March 2014
on behalf of BABT