AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

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Applicant:	Motech Americas, LLC	**Manufacturer:**	Motech Americas, LLC
Address:	231 Lake Drive Newark, DE 19702	**Address:**	231 Lake Drive Newark, DE 19702
Country:	USA	**Country:**	USA
Contact:	John Colarusso	**Contact:**	John Colarusso
Phone:	(302) 451-2644	**Phone:**	(302) 451-2644
FAX:	(302) 451-7501	**FAX:**	(302) 451-7501
Email:	John_Colarusso@motech-americas.com	**Email:**	John_Colarusso@motech-americas.com

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Lake Forest, CA

Control Number: *3145348*

Authorized by: Patricia Lucas
for William T. Starr, Certification Manager

C ETL LISTED US
Intertek

This document supersedes all previous Authorizations to Mark for the noted Report Number.

Intertek Testing Services NA Inc.
165 Main Street, Cortland, NY 13045
Telephone 800-345-3851 or 607-753-6711 Fax 607-756-6699

Standard(s):	Standard for Flat-Plate Photovoltaic Modules and Panels (ANSI/UL 1703-Third Edition, dated March 15, 2002, with revisions through December 6, 2011) Requirements for Flat-Plate Photovoltaic Modules and Panels (ULC/ORD-C1703-01-First Edition, amended October 2001)
Product:	Flat Plate Photovoltaic Modules

AUTHORIZATION TO MARK

Models:

Model Number Format is AANNCK-PPP-JLLFHH

AA is a code for the type of wafer, where AA can be:
- IM for 156mm x 156mm multicrystalline wafers
- XS for 156mm x 156mm semi-square single wafers cut from a 200mm diameter round crystal boule

NN is the number of cells in the module, where NN can be:
- 36 for a thirty-six cell module
- 42 for a forty-two cell module
- 48 for a forty-eight cell module
- 54 for a fifty-four cell module
- 60 for a sixty cell module
- 72 for a seventy-two cell module

C is a code for module color combination, where C can be:
- C for clear anodized with white backsheet
- B for black anodized with black backsheet
- D for black anodized with white backsheet

K is a code for the number of bus bars used to interconnect the cells to one another, where K can be:
- 2 for two busbars interconnecting adjacent cells
- 3 for three busbars interconnecting adjacent cells

PPP is module output power in watts, see Ratings for power range for a given cell count and type

J is a code for the type of junction box and connectors, where J can have the following values
- T for a Tyco Junction box with Solarlok connectors

LL is a code for cable length, where LL can have the following values
- 10 for a 1.0 meter cable length
- 12 for a 1.2 meter cable length

F is a code for the style of the frame on the module, where
- B is for a box style extruded aluminum frame

HH is a frame height code, where
- 40 for a 40mm tall frame
- 45 for a 45mm tall frame
- 50 for a 50mm tall frame

AUTHORIZATION TO MARK

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Applicant:	Motech Americas, LLC	**Manufacturer:**	Motech (Suzhou) Renewable Energy Co., Ltd.
Address:	231 Lake Drive Newark, DE 19702	**Address:**	No. 1430, Bei-men Rd, Kunshan City, Jiangsu Province
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FAX:	(302) 451-7501	**FAX:**	+86-512-86165001
Email:	John_Colarusso@motech-americas.com	**Email:**	horace_huang@motech.com.cn

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Lake Forest, CA

Control Number: *4000511*

Authorized by: for Patricia Lucas
William T. Starr, Certification Manager

C ETL LISTED US
Intertek

This document supersedes all previous Authorizations to Mark for the noted Report Number.

Intertek Testing Services NA Inc.
165 Main Street, Cortland, NY 13045
Telephone 800-345-3851 or 607-753-6711 Fax 607-756-6699

Standard(s):	Standard for Flat-Plate Photovoltaic Modules and Panels (ANSI/UL 1703-Third Edition, dated March 15, 2002, with revisions through December 6, 2011) Requirements for Flat-Plate Photovoltaic Modules and Panels (ULC/ORD-C1703-01-First Edition, amended October 2001)
Product:	Flat Plate Photovoltaic Modules

AUTHORIZATION TO MARK

Models:

Model Number Format is AANNCK-PPP-JLLFHH

AA is a code for the type of wafer, where AA can be:
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- XS for 156mm x 156mm semi-square single wafers cut from a 200mm diameter round crystal boule

NN is the number of cells in the module, where NN can be:
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- 42 for a forty-two cell module
- 48 for a forty-eight cell module
- 54 for a fifty-four cell module
- 60 for a sixty cell module
- 72 for a seventy-two cell module

C is a code for module color combination, where C can be:
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- D for black anodized with white backsheet

K is a code for the number of bus bars used to interconnect the cells to one another, where K can be:
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PPP is module output power in watts, see Ratings for power range for a given cell count and type

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LL is a code for cable length, where LL can have the following values
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- 12 for a 1.2 meter cable length

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HH is a frame height code, where
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AUTHORIZATION TO MARK

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Applicant:	Motech Americas, LLC	**Manufacturer:**	Itogumi Motech, Inc.
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Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Lake Forest, CA

Control Number: *4001738* **Authorized by:** Patricia Reuben
for William T. Starr, Certification Manager

This document supersedes all previous Authorizations to Mark for the noted Report Number.

Intertek Testing Services NA Inc.
165 Main Street, Cortland, NY 13045
Telephone 800-345-3851 or 607-753-6711 Fax 607-756-6699

Standard(s):	Standard for Flat-Plate Photovoltaic Modules and Panels (ANSI/UL 1703-Third Edition, dated March 15, 2002, with revisions through December 6, 2011) Requirements for Flat-Plate Photovoltaic Modules and Panels (ULC/ORD-C1703-01-First Edition, amended October 2001)
Product:	Flat Plate Photovoltaic Modules

AUTHORIZATION TO MARK

Models:

Model Number Format is AANNCK-PPP-JLLFHH

AA is a code for the type of wafer, where AA can be:
- IM for 156mm x 156mm multicrystalline wafers
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NN is the number of cells in the module, where NN can be:
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