



solar electricity

Sharp Electronics Corporation  
Solar Energy Solutions Group  
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April 12, 2011

### **Manufacturer's Certification - Sharp Photovoltaic Modules**

This certification applies to the following models of Sharp solar modules that are all exclusively manufactured in the United States, at Sharp Manufacturing Company of America (SMCA) located in Memphis, TN.

Models: **NUU240F2, NUU235F2, NUU235F4, NDU235Q2, NDU235Q1, NDU230Q2, NDU230Q1, ND224UCJ, ND230UCJ, NUU240F1, NUU235F1, NUU235F3, NUU230F3, NDU230C1, NDU224C1, ND224UC1, ND220UC1, ND216UC1, ND198UC1, ND176UC1, NT175UC1, NE170UC1, NE170UCI, NE165UC1, ND130UJF, ND123UJF**

It is hereby certified that the above referenced modules:

1. Qualify as photovoltaic devices which use solar energy to generate electricity and qualify under the Internal Revenue Code: Section 25D, as "Qualified Solar Electric Property" and Section 48 "energy property" which may be eligible for an energy credit
2. Are manufactured in an IBEW union operated factory
3. Meet the provisions of the Buy American Act as equivalent to a U.S. "Domestic End Product" (FAR 25.001) and COTS item (FAR 2.101)
4. Meet the provisions of the American Recovery and Reinvestment Act (ARRA).
5. Comply with FAR sections 52.225-21 - 52.225-24 & 52.225-5 under the U.S. Trade Agreement Act
6. Are manufactured in an ISO 9001:2000 certified factory (Quality Management System).
7. Are manufactured in an ISO 14001:2004 certified factory (Environmental Management System)
8. Meet or exceed the UL 1703 requirements and are listed with the Underwriters Laboratories

Under penalty of perjury, I declare that I have examined this certification statement, and to the best of my knowledge and belief, the facts presented are true, correct and complete.

Sincerely,

Alexander Pellerito, Jr.  
Associate General Counsel - Trade Relations



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February 23, 2011

### **Manufacturer's Certification - Sharp Photovoltaic Modules**

This certification applies to the following models of Sharp solar modules that have been manufactured in the United States, at Sharp Manufacturing Company of America (SMCA) located in Memphis, TN.

Models: **NUU240F2, NUU235F2, NUU235F4, NDU235Q2, NDU235Q1, NDU230Q2, NDU230Q1, ND224UCJ, ND230UCJ, NUU240F1, NUU235F1, NUU235F3, NUU230F3, NDU230C1, NDU224C1, ND224UC1, ND220UC1, ND216UC1, ND198UC1, ND176UC1, NT175UC1, NE170UC1, NE170UCI, NE165UC1, ND130UJF, ND123UJF**

It is hereby certified that the above referenced modules:

1. Qualify as photovoltaic devices which use solar energy to generate electricity and qualify under the Internal Revenue Code: Section 25D, as "Qualified Solar Electric Property" and Section 48 "energy property" which may be eligible for an energy credit
2. Are manufactured in an IBEW union operated factory
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July, 2011

### **Manufacturer's Certification - Sharp Photovoltaic Modules**

This certification applies to the following models of Sharp solar modules that are all exclusively manufactured in the United States, at Sharp Manufacturing Company of America (SMCA) located in Memphis, TN.

Models: ND216QCJ, ND224QCJ, ND230QCJ, NDH230Q2, NDQ230Q2, NDQ230C5, NDH235Q2, NDQ235Q2, NDQ235C5, NDH240Q2, NDQ240Q2, NDH245Q2, NDQ245Q2, NUQ230F4, NUQ235F2, NUQ235F4, NUQ240F2

It is hereby certified that the above referenced modules:

1. Qualify as photovoltaic devices which use solar energy to generate electricity and qualify under the Internal Revenue Code: Section 25D, as "Qualified Solar Electric Property" and Section 48 "energy property" which may be eligible for an energy credit
2. Are manufactured in an IBEW union operated factory
3. Meet the provisions of the Buy American Act as equivalent to a U.S. "Domestic End Product" (FAR 25.001) and COTS item (FAR 2.101)
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