



Netherlands, 5 August 2015

### Manufacturers certified by Solarif Insurance

After completing a positive risk assessment of the technical and financial aspects and environmental and labour conditions of the factory, the below named manufacturers received certification by Solarif Insurance. Clients of these manufacturers can insure their projects with the option 'Inherent defect from Solarif Insurance, which backs up the warranty of the modules and inverters\*.

See [www.solarif.com](http://www.solarif.com) for more information.

*\*For a complete overview of the certified module and inverter types, please look at Annex I: Certified Modules and inverters per Manufacturer*

#### Modules:

#### Headoffice

#### Certificate



**LDK Solar**  
LDK Avenue,  
Economic Development Zone  
Xinyu City, Jiangxi Province, 338032  
People's Republic of China  
Tel: +86 790 666 8000  
Email: info@ldksolar.com

**Certificate no.**  
SOLARIF20140825  
from 22-5-2015 till 22-5-2016



**Ulica Solar**  
No.1 Shanshan Road  
Yinzhou District, Ningbo, 315177  
People's Republic of China  
Tel:+86 574 28828976  
E-mail: sales@ulsolar.com.cn

**Certificate no.**  
CRA-ULIC-20141120-0620  
from 5-12-2014 till 5-12-2015



**Trunsun Solar**  
No. 800, Zhenbei Road, Zhili Town,  
Huzhou, Zhejiang,  
People's Republic of China  
T+86 572 255 6666  
Email : info@trunsunsolar.com

**Certificate no.**  
CRA-TRUN-20141010-0583  
from 10-11-2014 till 10-11-2016



**JA Solar**  
NO.36, Jiang Chang San Road,  
Zhabei, Shanghai200436,  
People's Republic of China  
Tel: +86 21 6095 5888 / +86 21 6095 5999  
Fax: +86 21 6095 5858 / +86 21 6095 5959  
Email: sales@jasolar.com; market@jasolar.com

**Certificate no.**  
CRA-JASO-20150415-0046  
CRA-SJAO-20150415-0047  
from 25-10-2014 till 25-10-2015



**Wuxi Suntech Power Co., Ltd.**  
9 Xinhua Road, Wuxi New District  
People's Republic of China 214028  
2015  
T: +86 400 8888 009  
(Customer Service Hotline)  
F: + 86 510 8534 3321  
Email: service@suntech-power.com

**Certificate no.**  
CRT-WUSU-20150417-0048  
from 12-12-2014 till 12-12-



**AUO Corporation (BenQ)**  
1, JhongKe Rd.,  
Central Taiwan Science Park  
Taichung City 40763  
Taiwan, R.O.C.  
Email: BenQSolar@auo.com

**Certificate no.**  
SOLARIF20140214  
from 14-2-2014 till 14-2-2015  
\* currently under revision



**Hengdian Group**  
**DMEGC Magnetics Co.,Ltd**  
Hengdian Industrial Area,  
Dongyang City, Zhejiang Province  
People's Republic of China  
Tel: +86-579-86554950  
Fax: +86-579-86554845  
Email: solar@dmegc.com.cn

**Certificate no.**  
SOLARIF20140821  
from 3-4-2015 till 3-4-2016



**Jetion Solar Co., Ltd.**  
No. 1011, Zhencheng Road,  
Shengang, Jiangyin Municipality,  
Jiangsu Province 214443,  
China  
Tel: +86 510 8668 7300  
Fax: +86 510 8668 7315  
Email: info@jetion.com.cn

**Certificate no.**  
SOLARIF20140515  
from 15-5-2014 till 15-5-2015  
\* currently under revision



**TOPSUN ENERGY LIMITED**  
B-101, GIDC, Electronic Zone, Sector 25,  
Gujarat, India  
email: marketing@topsunenergy.com  
Tel:+91 79 23288804  
Fax:+91 79 23288805

**Certificate no.**  
SOLARIF20140813  
from 13-8-2014 till 13-8-2015



**Shandong Dahai Group Co., Ltd**  
Yankou Village, Daoshuang Town,  
Guangrao County, Dongying City,  
Shandong Province, 257336  
People's Republic of China  
Tel.: +86 54 6649 5333

**Certificate no.**  
CRA-SHDA-20141229-0624  
from 27-1-2015 till 27-1-2016



**ZNShine Solar**  
#1 Zhixi Industry Zone  
Jintan, Jiangsu Province, 213251  
People's Republic of China  
Tel: +86 519 8244 9237  
Email: info@znshinesolar.com

**Certificate no.**  
SOLARIF20140826  
from 26-8-2014 till 26-8-2015



**Hareon Solar Technology Co.,Ltd.**  
Huangtang Industrial Zone,  
Xuxiake Town, Jiangyin,  
Jiangsu 214407  
People's Republic of China  
Tel: +86 510 66286100  
Email: sales@hareon.net

**Certificate no.**  
SOLARIF20140904  
from 15-8-2014 till 15-8-2015



**Lightway Green  
New Energy Co., Ltd.**  
New Industry Park, Gaobeidian,  
Hebei Province  
People's Republic of China  
Tel: 0086-(0)312-2951166

**Certificate no.**  
SOLARIF20141024  
from 17-9-2014 till 17-9-2015



**ET Solar Industry Limited**  
19F, Block C, Wanda Plaza,  
Jianye District, Nanjing 210019  
People's Republic of China  
Tel: +86 25 8689 8098  
Fax: +86 25 8689 8097

**Certificate no.**  
CRT-ETSO-20141113-0007  
from 3-11-2014 till 3-11-2015



**Sapphire Solar Limited**  
4-320, Lorimer Street,  
Port Melbourne, VIC 3207  
Australia  
Tel.: +1800 788 332  
Email: info@sapphire-solar.com

**Certificate no.**  
ORA-SASL-20150706-0625  
from 5-12-2014 till 5-12-2015



**Shinetime Solar.**

No. 6-8 Bifa Road, Industrial Zone of  
JinyunCity, Zhejiang Province  
China

Tel: +86 578 3218899

Fax: +86 578 3218900

Email: [support@shinetimesolar.com](mailto:support@shinetimesolar.com)

**Certificate no.**

CRA-SHIN-20150409-0045  
from 9-1-2015 till 9-1-2016



**TSMC Solar.**

Am Kaiserkai 1  
20457 Hamburg  
Germany

Tel: +49 40 8080 745 40

Fax: +49 40 8080 749 20

Email: [SolarEU@tsmc.com](mailto:SolarEU@tsmc.com)

**Certificate no.**

CRA-TSMC-20141014-0585  
from 1-1-2015 till 1-1-2016



**Solartech Energy Corp.**

Solartech Energy Corp.  
8F, NO. 760, Sec. 4, Bade Rd.,  
Songshan Dist., Taipei 105  
Taiwan

Tel.: +886 2 2171 2388

Fax: +886 2 2171 2387

Email: [sales@solartech-energy.com](mailto:sales@solartech-energy.com)

**Certificate no.**

TRA-20150803-0669  
from 22-5-2015 till 22-5-2016



**Phono Solar Technology Co., Ltd.**

1 Xinghuo Rd.,  
Nanjing Hi-tech Zone, Nanjing  
People's Republic of China

Tel: +86 25 5863 8000

Fax: +86 25 5863 8009

Email: [sales@phonosolar.com](mailto:sales@phonosolar.com)

**Certificate no.**

CRT-PHON-20150706-0051  
from 9-6-2015 till 9-6-2016



**Changzhou Almaden Co., Ltd.**

Changzhou Qinglong  
East Road, No. 639  
People's Republic of China

Tel: +86 519 8888 0015/6

Tel: +86 519 8888 8319 (sales)

Fax: +86 519 8888 0017

Email: [jxl@czamd.com](mailto:jxl@czamd.com); [amd@czamd.com](mailto:amd@czamd.com)

**Certificate no.**

CRT-CHAL-20150707-0052  
from 26-5-2015 till 26-5-2016



**Jiangsu Seraphim  
Solar System Co. Ltd**  
South Village, Henglin Town,  
Wujin District, Changzhou City,  
Jiangsu Province,  
People's Republic of China  
Tel.: +86 519 88 77 60 28  
Fax: +86 519 887 86 181  
Email: [info@seraphim-energy.com](mailto:info@seraphim-energy.com)

**Certificate no.**  
CRT-SERA-20150724-0053  
from 30-6-2015 till 30-6-2016



**JS SOLAR**

嘉JS盛

**JS Solar**  
No. 2 Huaxi Road, Huanke Park,  
Yixing, Wuxi City  
Jiangsu Province, 214200  
People's Republic of China  
Tel.: +86 510 80710755  
Fax: +86 510 87071799  
Email: [jssolar@jssolar.com](mailto:jssolar@jssolar.com)

**Certificate no.**  
CRT-JSSOL-20150727-0055  
from 13-7-2015 till 13-7-2016



**Jinneng Clean Energy  
Technology Ltd.**  
No.1 Wenshui Economic  
Development Zone  
Lvliang, Shanxi Province, 032100  
People's Republic of China  
Tel.: +86 358 3300916  
Email: [sales@jinergy.com](mailto:sales@jinergy.com)

**Certificate no.**  
CRT-JINE20150603-0654  
from 19-7-2015 till 19-7-2016



**Jinko Solar Holding Co., Ltd.**  
16F, Building No.2, No.428 South  
Yanggao Road, Shanghai, 200127  
People's Republic of China  
Tel.: +86 216 0611799  
Fax: +86 216 8761115

**Certificate no.**  
Solarif20140512  
from 12-5-2014 till 12-5-2015



## Inverters:



Wisdom Leads  
Inverter Manufacture

## Headoffice

**Omnik New Energy.**  
A4-414, No.218, Xinghu Road,  
215123 Suzhou,  
People's Republic of China  
Tel : +86-512-6956-8216  
Fax : +86-512-6295-6682  
Email: Sales@omnik-solar.com

## Ningbo Ginlong Technology Co., Ltd.

No.57 Jintong Road, Binhai  
Industrial Park, Xiangshan, Ningbo,  
315712 People's Republic of China  
Tel: +86 574 6578 1806  
Fax: +86 574 6578 1606  
E-Mail: info@Ginlong.com

## Growatt New Energy Technology Co., Ltd.

Building B, Jiayu Industrial Zone,  
#28 Guanghui Road,  
Longteng Community,  
Shiyan, Baoan District,  
Shenzhen  
People's Republic of China  
Tel.: +86 755 29515888  
Fax: +86 755 27472131  
E-Mail: [info@ginverter.com](mailto:info@ginverter.com)

## Autarco.

Number 2210  
500 Xiangyang Road  
200031 Shanghai  
People's Republic of China  
Tel.: +86 215 404 5905

## Hosola New Energy Co., Ltd.

1-A1F, No. 328 Xinghu Road,  
Suzhou Industrial Park  
P.R. China, 215123  
Tel: +86 512 8281 5763  
Fax: +86 512 6281 5763-1888  
E-Mail: info@hosola.com

## Certificate

**Certificate no.**  
CRA-OMNK-20141012-0037  
from 25-9-2014 till 25-9-2015

**Certificate no.**  
SOLARIF20140326  
from 17-3-2014 till 17-3-2015  
\* currently under revision

**Certificate no.**  
CRT-GROW-20141117-0022  
from 29-9-2014 till 29-9-2015

**Certificate no.**  
ORA-ATRC-20150102-0625  
from 9-12-2014 till 17-3-2015  
\* currently under revision

**Certificate no.**  
CRT-HOSO-20150323-0044  
from 23-1-2015 till 23-1-2016






**Annex I: Certified Modules and Inverters per Manufacturer**

Modules	
	<p><b>Approved 2014-2015 mono-crystalline modules</b></p> <p>LDK-180D-24(s)                      LDK 195M</p> <p>LDK-185D-24(s)                      LDK 200M</p> <p>LDK-190D-24(s)                      LDK 205M</p> <p>LDK-195D-24(s)                      LDK 210M</p> <p>LDK-200D-24(s)                      LDK 215M</p> <p>LDK-185D-24(s)FB                      LDK 220M</p> <p>LDK-190D-24(s)FB                      LDK 245M</p> <p>LDK-195D-24(s)FB                      LDK 250M</p> <p>LDK-200D-24(s)FB                      LDK 255M</p> <p>LDK-220D-20                              LDK 260M</p> <p>LDK-225D-20                              LDK 265M</p> <p>LDK-230D-20                              LDK 270M</p> <p>LDK-235D-20                              LDK220-195MC</p> <p>LDK-240D-20                              LDK270-245MA</p> <p>LDK-245D-20                              LDK240-250D-20</p> <p>LDK-250D-20</p> <p>LDK-255D-20</p> <p>LDK-260D-20</p> <p><b>Approved 2014-2015 poly-crystalline modules</b></p> <p>LDK 190P                                      LDK 290P BFW</p> <p>LDK 195P                                      LDK 295P BFW</p> <p>LDK 200P                                      LDK 300P BFW</p> <p>LDK 205P                                      LDK 305P BFW</p> <p>LDK 210P                                      LDK 310P BFW</p> <p>LDK 215P                                      LDK215-190PC</p> <p>LDK 235P                                      LDK260-235PA</p> <p>LDK 240P                                      LDK310-285PB</p> <p>LDK 245P                                      LDK230-235P-20</p> <p>LDK 250P                                      LDK270-280P-24</p> <p>LDK 255P</p> <p>LDK 260P</p>



# SOLAR

INSURANCE

	<p><b>2012-2013:</b></p> <p>LDK-P-20, 24, 24(s) Value series          LDK-D-20 Value Series          LDK-P-20, 24 Professional Series          LDK-D-20, 24(s) Professional Series          LDK-D-20, 24(s) Full Black Series</p> <p><b>2013-2014:</b></p> <p>LDK xxx MCFW                      LDK yyy MAFW          LDK xxx PCFW                      LDK yyy PAFW          LDK zzz PBFW          LDK xxx MCBW                      LDK yyy MABW          LDK xxx PCBW                      LDK yyy PABW          LDK xxx MCBB                      LDK yyy MABB          LDK xxx PCBB                      LDK yyy PABB</p>						
	<p><b>UL-155D-72</b>                      Power classes 155-215, in steps of 5Wp  <b>UL-165D-84</b>                      Power classes 165-250, in steps of 5Wp  <b>UL-235D-96</b>                      Power classes 235-290, in steps of 5Wp  <b>UL-190M-54</b>                      Power classes 190-240, in steps of 5Wp  <b>UL-210M-60</b>                      Power classes 210-270, in steps of 5Wp  <b>UL-250M-72</b>                      Power classes 250-325, in steps of 5Wp  <b>UL-180P-54</b>                      Power classes 180-235, in steps of 5Wp  <b>UL-200P-60</b>                      Power classes 200-260, in steps of 5Wp  <b>UL-240P-72</b>                      Power classes 240-315, in steps of 5Wp</p>						
	<p><b>Mono-crystalline Modules:</b></p> <p>XTM5-96-xxx                      XTM5-72-xxx          XTM5-36-xxx                      XTM6-72-xxx          XTM6-60-xxx                      XTM6-54-xxx</p> <p><b>Approved Poly-crystalline Modules:</b></p> <p>XTP6-72-xxx                      XTP6-60-xxx          XTP6-54-xxx</p>						
	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"><b>Mono-crystalline modules</b></td> <td style="width: 50%;"><b>Poly-crystalline modules</b></td> </tr> <tr> <td>TSM245-TSM270</td> <td>TSP240-TSP265</td> </tr> <tr> <td>TSM295-TSM320</td> <td>TSP290-TSP315</td> </tr> </table>	<b>Mono-crystalline modules</b>	<b>Poly-crystalline modules</b>	TSM245-TSM270	TSP240-TSP265	TSM295-TSM320	TSP290-TSP315
<b>Mono-crystalline modules</b>	<b>Poly-crystalline modules</b>						
TSM245-TSM270	TSP240-TSP265						
TSM295-TSM320	TSP290-TSP315						





**JA SOLAR**

**Mono-crystalline modules:**

JAM6\*\*\*-48-xxx/SI  
 JAM6\*\*\*-54-xxx/SI  
 JAM6\*\*\*-60-xxx/SI  
 JAM6\*\*\*-60-xxx  
 JAM6\*\*\*-72-xxx/SI  
 JAM6\*\*\*-72-xxx  
 JAM6\*\*\*-48-xxx/PR  
 JAM6\*\*\*-54-xxx/PR  
 JAM6\*\*\*-60-xxx/PR  
 JAM6\*\*\*-72-xxx/PR

**Poly-crystalline modules:**

JAP6\*\*\*-48-xxx/3BB  
 JAP6\*\*\*-54-xxx/3BB  
 JAP6\*\*\*-60-xxx/3BB  
 JAP6\*\*\*-72-xxx/3BB  
 JAP6\*\*\*-60-xxx/3BB  
 JAP6\*\*\*-72-xxx/3BB

25 October 2013 till 25 October 2014:

**Mono-crystalline modules:**

**125x125-72**

JAM5(L)72-195	JAM5(L)(BK)72-190
JAM5(L)72-200	JAM5(L)(BK)72-195
JAM5(L)72-205	JAM5(L)(BK)72-200
JAM5(L)72-210	JAM5(L)(BK)72-205
JAM5(L)72-215	JAM5(L)(BK)72-210
JAM5(R)72-200	JAM6(BK)60-245
JAM5(R)72-205	JAM6(BK)60-250
JAM5(R)72-210	JAM6(BK)60-255
JAM5(R)72-215	JAM6(BK)60-260
JAM5(R)72-220	JAM6(BK)60-265

**156X156-60**

JAM6(R)48-205	JAM6(R)60-260
JAM6(R)48-210	JAM6(R)60-265
JAM6(R)48-215	JAM6(R)60-270
JAM6(R)48-220	JAM6(R)60-275
JAM6(R)48-225	JAM6(R)60-280

**156X156-72**



JAM6(R)72-305	JAM6(T)60-250
JAM6(R)72-310	JAM6(T)60-255
JAM6(R)72-315	JAM6(T)60-260
JAM6(R)72-320	JAM6(T)60-265
JAM6(R)72-325	JAM6(T)60-270



	<p>JAM672-300 JAM672-310 JAM672-320</p> <p><b>156X156-48</b> JAM648-200 JAM648-205 JAM648-210 JAM648-215 JAM648-220</p> <p>JAM672-305 JAM672-315</p> <p>JAM660-250 JAM660-255 JAM660-260 JAM660-265 JAM660-270</p>
	<p><b>Poly-crystalline modules:</b> <b>156X156-60</b> JAP6(BK)60-235 JAP6(BK)60-240 JAP6(BK)60-245 JAP6(BK)60-250 JAP6(BK)60-255 JAP660-240 JAP660-245 JAP660-250 JAP660-255 JAP660-260JAP672-310</p> <p>JAP6(T)60-240 JAP6(T)60-245 JAP6(T)60-250 JAP6(T)60-255 JAP6(T)60-260 JAP672-290 JAP672-295 JAP672-300 JAP672-305</p>
	<p><b>Mono-crystalline modules:</b> STP190S-24/Adb+ STP195S-24/Adb+ STP195S-24/Ad+ STP240S-20/Wd STP245S-20/Wd STP250S-20/Wd</p> <p>STP255S-20/Wd STP260S-20/Wd STP265S-20/Wd STP250S-20/Wdb STP255S-20/Wdb</p> <p><b>Poly-crystalline modules:</b> STP230-20/Wd STP235-20/Wd STP240-20/Wd STP245-20/Wd STP250-20/Wd STP255-20/Wd STP260-20/Wd STP245-20/Wdb STP250-20/Wdb STP255-20/Wdz STP265S-20/Wd+ STP270S-20/Wd+ STP265S-20/Web STP270S-20/Web STP270S-0/Wem STP275S-0/Wem STP320S-24/Vem STP325S-24/Vem</p> <p>STP285-VRM-1 STP290-VRM-1 STP295-VRM-1 STP300-VRM-1 STP285-24/Ve STP290-24/Ve STP295-24/Ve STP300-24/Ve STP305-24/Ve</p>





# SOLAR

INSURANCE

 <p><b>BenQ Solar</b> A division of AU Optronics</p>	<p style="text-align: right;">STP305-24/V</p> <p><b>PM250M01</b>      Power classes 255-280, in steps of 5Wp  <b>PM200M00</b>      Power classes 190-220, in steps of 5Wp  <b>PM245P00</b>      Power classes 240-260, in steps of 5Wp</p>																																										
 <p><b>DMEGC</b></p>	<p><b>Mono-crystalline modules</b></p> <table border="0"> <tr><td>DMxxx-M156-72</td><td>DMxxx-M156-24B</td></tr> <tr><td>DMxxx-M156-72B</td><td>DMxxx-M125-36</td></tr> <tr><td>DMxxx-M156-60</td><td>DMxxx-M125-36B</td></tr> <tr><td>DMxxx-M156-60B</td><td>DMxxx-M125-24</td></tr> <tr><td>DMxxx-M125-96</td><td>DMxxx-M125-24B</td></tr> <tr><td>DMxxx-M125-96B</td><td>DMxxx-M125-36S</td></tr> <tr><td>DMxxx-M125-72</td><td>DMxxx-M125-36BS</td></tr> <tr><td>DMxxx-M125-72B</td><td>DMxxx-M125-24S</td></tr> <tr><td>DMxxx-M156-48</td><td>DMxxx-M125-24BS</td></tr> <tr><td>DMxxx-M156-48B</td><td></td></tr> <tr><td>DMxxx-M125-48</td><td><b>Poly-crystalline modules</b></td></tr> <tr><td>DMxxx-M125-48B</td><td>DMxxx-P156-72</td></tr> <tr><td>DMxxx-M125-96S</td><td>DMxxx-P156-72B</td></tr> <tr><td>DMxxx-M125-96BS</td><td>DMxxx-P156-60</td></tr> <tr><td>DMxxx-M125-72S</td><td>DMxxx-P156-60B</td></tr> <tr><td>DMxxx-M125-72BS</td><td>DMxxx-P156-48</td></tr> <tr><td>DMxxx-M125-48S</td><td>DMxxx-P156-48B</td></tr> <tr><td>DMxxx-M125-48BS</td><td>DMxxx-P156-36</td></tr> <tr><td>DMxxx-M156-36</td><td>DMxxx-P156-36B</td></tr> <tr><td>DMxxx-M156-36B</td><td>DMxxx-P156-24</td></tr> <tr><td>DMxxx-M156-24</td><td>DMxxx-P156-24B</td></tr> </table>	DMxxx-M156-72	DMxxx-M156-24B	DMxxx-M156-72B	DMxxx-M125-36	DMxxx-M156-60	DMxxx-M125-36B	DMxxx-M156-60B	DMxxx-M125-24	DMxxx-M125-96	DMxxx-M125-24B	DMxxx-M125-96B	DMxxx-M125-36S	DMxxx-M125-72	DMxxx-M125-36BS	DMxxx-M125-72B	DMxxx-M125-24S	DMxxx-M156-48	DMxxx-M125-24BS	DMxxx-M156-48B		DMxxx-M125-48	<b>Poly-crystalline modules</b>	DMxxx-M125-48B	DMxxx-P156-72	DMxxx-M125-96S	DMxxx-P156-72B	DMxxx-M125-96BS	DMxxx-P156-60	DMxxx-M125-72S	DMxxx-P156-60B	DMxxx-M125-72BS	DMxxx-P156-48	DMxxx-M125-48S	DMxxx-P156-48B	DMxxx-M125-48BS	DMxxx-P156-36	DMxxx-M156-36	DMxxx-P156-36B	DMxxx-M156-36B	DMxxx-P156-24	DMxxx-M156-24	DMxxx-P156-24B
DMxxx-M156-72	DMxxx-M156-24B																																										
DMxxx-M156-72B	DMxxx-M125-36																																										
DMxxx-M156-60	DMxxx-M125-36B																																										
DMxxx-M156-60B	DMxxx-M125-24																																										
DMxxx-M125-96	DMxxx-M125-24B																																										
DMxxx-M125-96B	DMxxx-M125-36S																																										
DMxxx-M125-72	DMxxx-M125-36BS																																										
DMxxx-M125-72B	DMxxx-M125-24S																																										
DMxxx-M156-48	DMxxx-M125-24BS																																										
DMxxx-M156-48B																																											
DMxxx-M125-48	<b>Poly-crystalline modules</b>																																										
DMxxx-M125-48B	DMxxx-P156-72																																										
DMxxx-M125-96S	DMxxx-P156-72B																																										
DMxxx-M125-96BS	DMxxx-P156-60																																										
DMxxx-M125-72S	DMxxx-P156-60B																																										
DMxxx-M125-72BS	DMxxx-P156-48																																										
DMxxx-M125-48S	DMxxx-P156-48B																																										
DMxxx-M125-48BS	DMxxx-P156-36																																										
DMxxx-M156-36	DMxxx-P156-36B																																										
DMxxx-M156-36B	DMxxx-P156-24																																										
DMxxx-M156-24	DMxxx-P156-24B																																										
 <p><b>Jinko Solar</b> Building Your Trust in Solar</p>	<p><b>Mono-crystalline</b></p> <table border="0"> <tr><td>JKM210M-72</td><td>Power classes 190-210, in steps of 5Wp</td></tr> <tr><td>JKM270M-60</td><td>Power classes 250-270, in steps of 5Wp</td></tr> <tr><td>JKM275M-96</td><td>Power classes 255-275, in steps of 5Wp</td></tr> <tr><td>JKM315M-72</td><td>Power classes 295-315, in steps of 5Wp</td></tr> </table> <p><b>Poly-crystalline</b></p> <table border="0"> <tr><td>JKM265P-60</td><td>Power classes 245-265, in steps of 5Wp</td></tr> <tr><td>JKM310P-72</td><td>Power classes 290-310, in steps of 5Wp</td></tr> <tr><td>JKM270PP-60</td><td>Power classes 255-270, in steps of 5Wp</td></tr> <tr><td>JKM315PP-72</td><td>Power classes 300-315, in steps of 5Wp</td></tr> </table>	JKM210M-72	Power classes 190-210, in steps of 5Wp	JKM270M-60	Power classes 250-270, in steps of 5Wp	JKM275M-96	Power classes 255-275, in steps of 5Wp	JKM315M-72	Power classes 295-315, in steps of 5Wp	JKM265P-60	Power classes 245-265, in steps of 5Wp	JKM310P-72	Power classes 290-310, in steps of 5Wp	JKM270PP-60	Power classes 255-270, in steps of 5Wp	JKM315PP-72	Power classes 300-315, in steps of 5Wp																										
JKM210M-72	Power classes 190-210, in steps of 5Wp																																										
JKM270M-60	Power classes 250-270, in steps of 5Wp																																										
JKM275M-96	Power classes 255-275, in steps of 5Wp																																										
JKM315M-72	Power classes 295-315, in steps of 5Wp																																										
JKM265P-60	Power classes 245-265, in steps of 5Wp																																										
JKM310P-72	Power classes 290-310, in steps of 5Wp																																										
JKM270PP-60	Power classes 255-270, in steps of 5Wp																																										
JKM315PP-72	Power classes 300-315, in steps of 5Wp																																										





# SOLAR

INSURANCE

 <p><b>JETION</b> SOLAR <i>visionary green energy</i></p>	<p><b>Mono-crystalline modules</b>            JT100SFb            JT150SFc            JT200SAb(Black)            JT200SEc            JT205SAb            JT220SDc(Black)            JT225SDc            JT255SBb(Black)            JT265SLc(Black)            JT270SLc            JT320SMc</p> <p><b>Poly-crystalline modules</b>            JT200PDe(Black)            JT225PDe            JT260PLe(Black)            JT260PLe</p>
	<p><b>Poly-crystalline modules</b>            TEL18P 200-250            TEL54P 200-220            TEL24P 140-250</p>
	<p><b>Mono-crystalline modules</b>            ZXM6-72-XXX/M            ZXM6-60-XXX/M            ZXM6-54-XXX/M            ZXM5-96-XXX/MS            ZXM5-72-XXX/MS</p> <p><b>Poly-crystalline modules</b>            ZXP6-72-XXX/P            ZXP6-60-XXX/P            ZXP6-54-XXX/P            ZXP6-72-XXX/MP            ZXP6-60-XXX/MP</p> <p>17 December 2012 – 3 May 2014:            ZXM5-72: Power classes 180-205, in steps of 5 Wp            ZXM5(BK): Power classes 180-205, in steps of 5 Wp            ZXM5-72 (Ga): Power classes 180-205, in steps of 5 Wp            ZXM5-96: Power classes 250-275, in steps of 5 Wp            ZXM5(BK)-96: Power classes 245-275, in steps of 5 Wp            ZXM5-96(Ga): Power classes 245-275, in steps of 5 Wp            ZXM6-60: Power classes 235-265, in steps of 5 Wp            ZXM6-72: Power classes 265-305, in steps of 5 Wp            ZXP6-60: Power classes 220-250, in steps of 5 Wp            ZXP6-72: Power classes 265-300, in steps of 5 Wp</p>
	<p><b>Mono-crystalline modules</b>            2BB HR-185/205-24/Aa            3BB HR-245/275-18/Cb            3BB HR-295/315-24/Ca</p> <p><b>Poly-crystalline modules</b>            3BB HR-240P/265P-18/Bb            3BB HR-280P/310P-24/Ba            4BB HR-240P/265P-18/Bb            4BB HR-280P/310P-24/Ba</p>



# SOLAR

INSURANCE

	<p><b>Poly-crystalline modules</b></p> <p>LW185-210(23)P1310x990          LW210-235(26)P1495x990          LW235-260(29)P1640x990          LW285-310(35)P1970x990</p>										
	<table border="0" style="width: 100%;"> <tr> <td style="width: 60%;"><b>Mono-crystalline modules</b></td> <td style="width: 40%;"><b>Poly-crystalline modules</b></td> </tr> <tr> <td>           ET-M572 XXXYZ            ET-M672 XXXYZ            ET-M660 XXXYZ            ET-M654 XXXYZ            ET-M648 XXXYZ            ET-M636 XXXYZ            ET-M536 XXXYZ            ET-L672 XXXYZ            ET-L660 XXXYZ         </td> <td>           ET-P672 XXXYZ            ET-P654 XXXYZ            ET-P660 XXXYZ            ET-P648 XXXYZ            ET-P636 XXXYZ         </td> </tr> </table>	<b>Mono-crystalline modules</b>	<b>Poly-crystalline modules</b>	ET-M572 XXXYZ ET-M672 XXXYZ ET-M660 XXXYZ ET-M654 XXXYZ ET-M648 XXXYZ ET-M636 XXXYZ ET-M536 XXXYZ ET-L672 XXXYZ ET-L660 XXXYZ	ET-P672 XXXYZ ET-P654 XXXYZ ET-P660 XXXYZ ET-P648 XXXYZ ET-P636 XXXYZ						
<b>Mono-crystalline modules</b>	<b>Poly-crystalline modules</b>										
ET-M572 XXXYZ ET-M672 XXXYZ ET-M660 XXXYZ ET-M654 XXXYZ ET-M648 XXXYZ ET-M636 XXXYZ ET-M536 XXXYZ ET-L672 XXXYZ ET-L660 XXXYZ	ET-P672 XXXYZ ET-P654 XXXYZ ET-P660 XXXYZ ET-P648 XXXYZ ET-P636 XXXYZ										
	<p>SS***P/72 (***) equals 240 – 315 with increment of 5)          SS***P/60 (***) equals 200 – 260 with increment of 5)          SS***P/54 (***) equals 180 – 235 with increment of 5)          SS***M/72 (***) equals 250 – 325 with increment of 5)          SS***M/60 (***) equals 210 – 270 with increment of 5)          SS***M/54 (***) equals 190 – 240 with increment of 5)          SS***D/72 (***) equals 155 – 200 with increment of 5)          SS***D/96 (***) equals 235 – 270 with increment of 5)</p>										
	<p><b><u>OEM LDK Solar</u></b></p> <p><b>Mono-crystalline modules</b></p> <p>LDK-xxxD-20          LDK-xxxD-24          LDK-xxxD-24(S)          LDK-xxxD-20(S)          LDKxxxMAV VI          LDKxxxMCV VI          LDK-xx5D</p> <p><b>Poly-crystalline modules</b></p> <table border="0" style="width: 100%;"> <tr> <td>LDK-xxxP-24</td> <td>LDKxxxPOFW</td> </tr> <tr> <td>LDK-xxxP-20</td> <td>LDKxxxPOFW</td> </tr> <tr> <td>LDK-xxxP-18</td> <td>LDKxxxQBFW</td> </tr> <tr> <td>LDK-xxxP-20/150</td> <td>LDKxxxQAFW</td> </tr> <tr> <td>LDK-xxxP-24</td> <td>LDKxxxPBV VI</td> </tr> </table>	LDK-xxxP-24	LDKxxxPOFW	LDK-xxxP-20	LDKxxxPOFW	LDK-xxxP-18	LDKxxxQBFW	LDK-xxxP-20/150	LDKxxxQAFW	LDK-xxxP-24	LDKxxxPBV VI
LDK-xxxP-24	LDKxxxPOFW										
LDK-xxxP-20	LDKxxxPOFW										
LDK-xxxP-18	LDKxxxQBFW										
LDK-xxxP-20/150	LDKxxxQAFW										
LDK-xxxP-24	LDKxxxPBV VI										




# SOLAR

INSURANCE

	<p>LDK-xxxP-24(s)          LDK-xxxP-24(s)          LDK-xxxP-20(s)          LDK-xxxP-24(596P)</p> <p><b><u>OBL Solartech Energy Corp.</u></b></p> <p><b>Mono-crystalline modules</b>          SECJ-6M-72-XXX          SECJ-6M-60-XXX          SECJ-6M-48-XXX          SECJ-6M-72-XXX-3BB          SECJ-6M-60-XXX-3BB          SECJ-6M-48-XXX-3BB</p>	<p>LDKxxxPAV VI          LDKxxxPCV VI          LDKxxxPOFW</p> <p><b>Poly-crystalline modules</b>          SECJ-6P-72-XXX          SECJ-6P-60-XXX          SECJ-6P-48-XXX          SECJ-6P-72-XXX-3BB          SECJ-6P-60-XXX-3BB          SECJ-6P-48-XXX-3BB</p>
	<p><b>Mono-crystalline modules</b>          PSxxxM-24/T          PSxxxM-22/W          PSxxxM-20/U          PSxxxM-18/V          PSxxxM-12/G          PSxxxM-24/F          PSxxxM-12/D          PSxxxM-12/H</p>	<p><b>Poly-crystalline modules</b>          PSxxxP-24/T          PSxxxP-22/W          PSxxxP-20/U          PSxxxP-18/V          PSxxxP-12/G</p>
	<p><b>Mono-crystalline modules</b>          SEBM72          SEBM66          SEBM60          SEBM54          SEBM48          SEBM42          SEBM40          SEBM36          SEBM18          SEAM72          SEAM66          SEAM60          SEAM54          SEAM48          SEAM42          SEAM40          SEAM36          SEAM18</p> <p><b>Bi-Facial modules</b>          SEBB72-xxxC          SEBB66-xxxC          SEBB60-xxxC          SEBB54-xxxC          SEBB48-xxxC          SEBB42-xxxC</p>	<p><b>Poly-crystalline modules</b>          SEBP72          SEBP66          SEBP60          SEBP54          SEBP48          SEBP42          SEBP40          SEBP36          SEAP72          SEAP66          SEAP60          SEAP54          SEAP48          SEAP42          SEAP40          SEAP36</p>

# SOLAR

INSURANCE

	SEBB40-xxxC SEBB36-xxxC SEBB18-xxxC SEBB18-xxxB SEAB72-xxxC SEAB66-xxxC SEAB60-xxxC SEAB54-xxxC SEAB48-xxxC SEAB42-xxxC SEAB40-xxxC SEAB36-xxxC SEAB18-xxxC SEAB18-xxxB	
	<b>Mono-crystalline modules</b> SRP-xxx-6MA SRP-xxx-6MB SRP-xxx-6MC SRP-xxx-6MD SRP-xxx-6ME SRP-xxx-5MA SRP-xxx-5MB SRP-xxx-5MC	<b>Poly-crystalline modules</b> SRP-xxx-6PA SRP-xxx-6PB SRP-xxx-6PC SRP-xxx-6PD SRP-xxx-6PE
	<b>Mono-crystalline modules</b> JSxxxD36 JSxxxD64 JSxxxD72 JSxxxD80 JSxxxD88 JSxxxD96 JSxxxM36 JSxxxM48 JSxxxM54 JSxxxM60 JSxxxM72	<b>Poly-crystalline modules</b> JSxxxP36 JSxxxP48 JSxxxP54 JSxxxP60 JSxxxP72
	TS-110C1 TS-115C1 TS-120C1 TS-125C1 TS-130C1 TS-135C1 TS-140C1 TS-145C1 TS-150C1 TS-155C1 TS-160C1 TS-165C1 TS-135C2 TS-140C2	TS-145C2 TS-150C2 TS-155C2 TS-160C2 TS-165C2 TS-170C2 TS-135C2P TS-140C2P TS-145C2P TS-150C2P TS-155C2P TS-160C2P TS-165C2P TS-170C2P









The logo for DAHAI GROUP, featuring the word "DAHAI" in a stylized blue font with red and white stripes, followed by the Chinese characters "大海集团" and "DAHAI GROUP" in a smaller blue font.	<p><b>Poly-crystalline modules</b></p> <ul style="list-style-type: none"><li>DHP60-245</li><li>DHP60-250</li><li>DHP60-255</li><li>DHP60-260</li><li>DHP72-295</li><li>DHP72-300</li><li>DHP72-305</li><li>DHP72-310</li><li>DHP72-315</li></ul>
--	--

# SOLAR

INSURANCE

Inverters			
	Omnisol-1k-TL Omnisol-1.5k-TL Omnisol-2k-TL Omnisol-1k-TL2 Omnisol-1.5k-TL2 Omnisol-2k-TL2 Omnisol-2.5k-TL2-S Omnisol-3k-TL2-S Omnisol-3k-TL Omnisol-4k-TL Omnisol-5k-TL Omnisol-3k-TL2	Omnisol-4k-TL2 Omnisol-5k-TL2 Omnisol-6k-TL2 Omnisol-8k-TL2 Omnisol-13k-TL2 Omnisol-15k-TL2 Omnisol-17k-TL2 Omnisol-20k-TL2 Omnikhyd-3k-TL2 Omnisol-M248 Omnisol-M500	
	<b>GCI-4K-2G</b> 600V <b>GCI-4.6K-2G</b> 600V <b>GCI-5K-2G</b> 600V <b>GCI-6K</b> 1000V <b>GCI-10K</b> 1000V <b>GCI-15K</b> 1000V	<b>GCI-1K-2G</b> 500V <b>GCI-1.5K-2G</b> 500V <b>GCI-2K-2G</b> 500V <b>GCI-2.5K-2G</b> 600V <b>GCI-3K-2G</b> 600V <b>GCI-3.6K-2G</b> 600V	
	Growatt 4000UE Growatt 5000UE Growatt 6000UE Growatt 7000UE Growatt 8000UE Growatt 9000UE Growatt 10000UE Growatt 12000UE Growatt 18000UE Growatt 20000UE Growatt 2000HF Growatt 2500HF Growatt 3000HF	Growatt 2500MTL Growatt 3000MTL Growatt 3600MTL Growatt 4200MTL Growatt 5000MTL Growatt 3600MTL-10 Growatt 4200MTL-10 Growatt 5000MTL-10	Growatt 1000S Growatt 1500S Growatt 1500 Growatt 2000 Growatt 3000 Growatt 4000 Growatt 4400 Growatt 5000
	SX1000 SX1500 SX2000 MX2500 MX3000 MX3600 MX4000 MX4600 MX5000		

# SOLAR

INSURANCE



- Smart 1000TL
- Smart 1600TL
- Smart 2200TL
- Smart 2500TL
- Smart 3000TL
- 2000MTL
- 2500MTL
- 3000MTL
- 3680MTL
- 4200MTL
- 5000MTL
- 4200TL
- 5000TL
- 5000STL
- 5000DTL



## **Solarif Certificate**

Solarif's certification for module and inverter manufacturers is the only one of its kind in the whole world.

Performing a specialist technical and financial risk assessment enables Solarif to assess the quality of modules and inverters. Solarif uses this assessment to determine whether or not they can accept the risk resulting from inherent defect in modules or inverters of a particular brand on type level.

An inherent defect is a damage caused by the nature of or a defect in the panel or inverter itself. In other words, it is a weakness which has not been caused by an external event. Examples of inherent defect are delamination or bad soldering.

In performing an annual risk assessment, we guarantee the quality of our certified manufacturers. The risk assessment focuses on the following quality aspects:

### **1. Materials**

During our inspection of the factory, we look at both everyday production and procedures. We examine how all of the internal checks and the monitoring of such checks are recorded, and this gives us an excellent impression of daily operations throughout the year. Furthermore, we also check the materials used. We check matters such as whether the materials are in accordance with TÜV certification and whether they are still suitable for use. EVA film, for instance, can dry out if it is left unused for too long. The inspection gives us the assurance we need that, upon leaving the factory, each module and inverter will have the level of quality we expect from approved manufacturers.

### **2. Finances**

Manufacturers who work with us need to have a solid financial position. We also look into whether the continued existence of the company has been secured in other ways too. In Asia, for instance, proper support from the local and national governments is also important. The financial part of the risk assessment also looks at the number of claims submitted under the guarantee and the processing of those claims. Our experienced financial specialists know which aspects need to be examined and they give us financial security that goes above and beyond the figures available to the general public.

### **3. Labour**

The price wars in the solar sector can put pressure on terms of employment. Our risk assessment looks at whether staff are treated well, in terms of both workload and remuneration.

### **4. Environment**

Solar energy has really taken off in response to environmental considerations. However, the production of modules and inverters generates waste that is harmful to the environment. Proper processing of such waste is one of our requirements. The production process may not harm the environment. This requirement does not just apply to the manufacturer - suppliers of components need to fulfil the requirement too.



Thanks to our broad approach, the certificate covers a wider range of issues than any other certificate issued. The multidisciplinary approach enables us to form an overall picture of the quality. If this picture meets our requirements, we will approve and certify the manufacturer.

Once the manufacturer has been approved and certified by Solarif, the owner of a photovoltaic installation using certified panels and/or inverters can take out the optional "Inherent defect cover" in addition to Solarif's Operational All Risks insurance policy providing added value to the owner such as:

- Security: the risk is with a solid A-rated insurance company;
- Backup: whatever happens in the future with the manufacturer, for example bankruptcy, the panels (up to 20 years) and inverters (up to 7.5 years) are covered against inherent defect as long as annual premium has been paid;
- Completeness: often a manufacturer only reimburses new materials, our insurance also compensates costs of labour, transportation, special limits and business interruption;
- Bankability: our insurance mitigates the risk for the bank. Bank and investors are therefore more willing to finance because of insolvency cover;
- Investment protection: after bankruptcy the project value keeps more stable and makes the sale of a project easier.

The insurance premium is paid by the owner of the photovoltaic installation.