



## MCS Product Certificate

Date Issued	27 July 2023	Annual review date	21st January
Issue number	4	Original/Amendment	Original
Certificate number	KIWA00041	Page	1 of 12

## MCS Product Certification Certificate Issued by Kiwa Ltd

MCS Product Certification Scheme Standards – MCS010, MCS011, MCS012  
Model designations – see Appendix

### Producer:

Business Address:  
**GSE Integration**  
5 rue Morand  
Batiment Energy 5  
Centre d'affaire Morand  
93400 Saint Ouen  
France

Factory/Warehouse Address:  
**GSE Integration**  
16 Quai Gustave Flaubert  
Canteleu  
76380  
France

### Manufacturer:

**As Above**

Kiwa Ltd declares that the products detailed in the Appendix have been assessed by Kiwa and meet the requirements of the above MCS Product Certification Standards.

Signed on behalf of Kiwa Ltd

Mark Crowther  
MCS Certification Director  
Kiwa Ltd

This certificate is subject to the producer continuing to comply with the Kiwa MCS Product Scheme Rules and ongoing Annual Surveillance

CERTIFICATE

# MCS Product Certificate



Appendix to Certificate KIWA00041

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The following products have been assessed and registered by Kiwa Ltd against the provisions of:

MCS 010, MCS 011, MCS 012

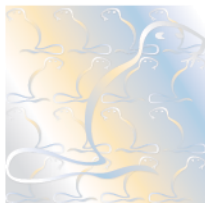
Product Name	Model Names	MCS Certificate Number
GSE IN-ROOF System - Portrait Version 2012	1575/1046; 1575/1053; 1575/1082; 1580/808; 1640/992; 1640/1001; 1640/1001/33; 1686/1016	MCS00041/006 IK
Range of Permissible Roof Pitch (degrees)	≥15° and ≤50°	
Compatible Roof Coverings	<ul style="list-style-type: none"><li>• Tiles</li><li>• Slates</li></ul>	
Roofing Substrate For certified wind uplift resistance in sound timber	Tested with 25 mm X 50 mm wooden battens	
Further notes on fixing (where relevant)	Mounting frame installation components listed in Annex II to this certificate	
Maximum Design Wind Uplift Calculated by dividing the characteristic wind uplift by the partial safety factor shown below	2.07 kPa <i>(with four single clamps holding each module)</i> 3.44 kPa <i>(with four pairs of clamps holding each module)</i>	
Partial (safety) factor(s)	1.44 <i>(with four single clamps holding each module)</i> 1.1 <i>(with four pairs of clamps holding each module)</i>	
Fire Classification	B <sub>ROOF</sub> (t4)	
Limitations on Fire Classification	The fire performance rating determined to EN 13501-5:2005 + A1:2009 applies to the roofing kit when used to mount PV modules supported by testing and listed in Annex I to this certificate	

Signed on behalf of Kiwa Ltd

Mark Crowther - MCS Certification Director  
Kiwa Ltd

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The following products have been assessed and registered by Kiwa Ltd against the provisions of:

MCS 010, MCS 011, MCS 012

Product Name	Model Name	MCS Certificate Number
GSE IN-ROOF System - Landscape Version 2012	1559/1046; 1575/1082; 1580/808; 1640/992; 1650/992; 1660/992; 1670/992; 1675/992/33; 1680/992; 1686/1016; 1700/1016	MCS00041/007 IK
Range of Permissible Roof Pitch (degrees)	≥15° and ≤50°	
Compatible Roof Coverings	<ul style="list-style-type: none"> <li>• Tiles</li> <li>• Slates</li> </ul>	
Roofing Substrate For certified wind uplift resistance in sound timber	Tested with 25 mm X 50 mm wooden battens	
Further notes on fixing (where relevant)	Mounting frame installation components listed in Annex II to this certificate	
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Fire Classification	BROOF(t4)	
Limitations on Fire Classification	The fire performance rating determined to EN 13501-5:2005 + A1:2009 applies to the roofing kit when used to mount PV modules supported by testing and listed in Annex I to this certificate	

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Mark Crowther  
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The following products have been assessed and registered by Kiwa Ltd against the provisions of:

MCS 010, MCS 011, MCS 012

Product Name	Model Name	MCS Certificate Number
GSE IN-ROOF System - Portrait Version 2020	1710/1000; 1710/1005; 1710/1020; 1710/1025; 1710/1030; 1710/1040; 1710/1050; 1710/995; 1710/1010; 1710/1045; 1710/1055	MCS00041/008IK
Range of Permissible Roof Pitch (degrees)	≥15° and ≤50°	
Compatible Roof Coverings	<ul style="list-style-type: none"> <li>• Tiles</li> <li>• Slates</li> </ul>	
Roofing Substrate For certified wind uplift resistance in sound timber	Tested with 25 mm X 50 mm wooden battens	
Further notes on fixing (where relevant)	Mounting frame installation components listed in Annex I to this certificate	
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Fire Classification	B <sub>ROOF</sub> (t4)	
Limitations on Fire Classification	The fire performance rating determined to EN 13501-5:2005 + A1:2009 applies to the roofing kit when used to mount PV modules supported by testing and listed in Annex I to this certificate	

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MCS Certification Director  
Kiwa Ltd

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Appendix to Certificate KIWA00041

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The following products have been assessed and registered by Kiwa Ltd against the provisions of:

MCS 010, MCS 011, MCS 012

Product Name	Model Name	MCS Certificate Number
GSE IN-ROOF System - Landscape Version 2020	1665/1020; 1675/1020; 1680/1020; 1685/1020; 1690/1020; 1695/1020; 1700/1020; 1740/1020; 1705/1020; 1720/1020	MCS00041/009 IK
Range of Permissible Roof Pitch (degrees)	≥15° and ≤50°	
Compatible Roof Coverings	<ul style="list-style-type: none"> <li>• Tiles</li> <li>• Slates</li> </ul>	
Roofing Substrate For certified wind uplift resistance in sound timber	Tested with 25 mm X 50 mm wooden battens	
Further notes on fixing (where relevant)	Mounting frame installation components listed in Annex I to this certificate	
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Fire Classification	BROOF(t4)	
Limitations on Fire Classification	The fire performance rating determined to EN 13501-5:2005 + A1:2009 applies to the roofing kit when used to mount PV modules supported by testing and listed in Annex I to this certificate	

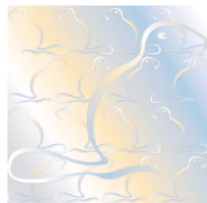
Signed on behalf of Kiwa Ltd

Mark Crowther - MCS Certification Director  
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The following products have been assessed and registered by Kiwa Ltd against the provisions of:

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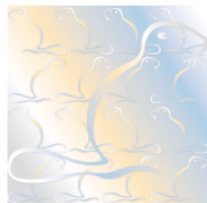
Product Name	Model Name	MCS Certificate Number
GSE IN-ROOF System – Half Portrait Version 2022	DPo_1650_995; DPo_1650_1070; DPo_1650_1100; DPo_1650_1135; DPo_1650_1140; DPo_1650_1160; DPo_1840_995; DPo_1840_1020; DPo_1840_1030; DPo_1840_1070; DPo_1840_1135 DPo_1650_1145; DPo_1840_1040; DPo_1840_1045; DPo_1840_1050; DPo_1840_1090; DPo_1840_1100	MCS00041/010 IK
Range of Permissible Roof Pitch (degrees)	≥15° and ≤50°	
Compatible Roof Coverings	<ul style="list-style-type: none"> <li>• Tiles</li> <li>• Slates</li> </ul>	
Roofing Substrate For certified wind uplift resistance in sound timber	Tested with 25 mm X 50 mm wooden battens	
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Fire Classification	B <sub>ROOF</sub> (t4)	
Limitations on Fire Classification	The fire performance rating determined to EN 13501-5:2005 + A1:2009 applies to the roofing kit when used to mount PV modules supported by testing and listed in Annex I to this certificate	

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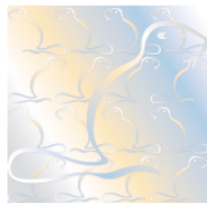


Annex I to Certificate KIWA00041

The following PV modules have been identified as providing a BROOF(t4) fire classification when installed with the products covered by this certificate:

PV module manufacturer	PV module model names	MCS Certificate Number
Canadian Solar	CS3L-320P CS3L-325P CS3L-330P CS3L-335P CS3L-340P CS3L-345P CS3L-350P CS3L-355P CS3L-360P CS3L-365P CS3L-370P CS3L-375P CS3L-380P CS3L-xxxMS	BABT8767-11-03-320W BABT8767-11-03-325W BABT8767-11-03-330W BABT8767-11-03-335W BABT8767-11-03-340W BABT8767-11-03-345W BABT8767-11-03-350W BABT8767-11-03-355W BABT8767-11-03-360W BABT8767-11-03-365W BABT8767-11-03-370W BABT8767-11-03-375W BABT8767-11-03-380W BABT8767-36
European Energy World, S.L.	MEPVxxx BLACK (xxx = 240-310W in 5W steps)	BABT 8764-02
Hanwha Q CELLS GmbH	Q.PEAK DUO BLK-G9 330 Q.PEAK DUO BLK-G9 335 Q.PEAK DUO BLK-G9 340 Q.PEAK DUO BLK-G9 345 Q.PEAK DUO BLK-G9+ 330 Q.PEAK DUO BLK-G9+ 335 Q.PEAK DUO BLK-G9+ 340 Q.PEAK DUO BLK-G9+ 345 Q.PEAK DUO ML-G9 380 Q.PEAK DUO ML-G9 385 Q.PEAK DUO ML-G9 390 Q.PEAK DUO ML-G9 395 Q.PEAK DUO ML-G9+ 380 Q.PEAK DUO ML-G9+ 385 Q.PEAK DUO ML-G9+ 390 Q.PEAK DUO ML-G9+ 395 Q.PEAK DUO BLK ML-G9 365 Q.PEAK DUO BLK ML-G9 370 Q.PEAK DUO BLK ML-G9 375 Q.PEAK DUO BLK ML-G9 380 Q.PEAK DUO BLK ML-G9 385 Q.PEAK DUO BLK ML-G9+ 365 Q.PEAK DUO BLK ML-G9+ 370 Q.PEAK DUO BLK ML-G9+ 375 Q.PEAK DUO BLK ML-G9+ 380 Q.PEAK DUO BLK ML-G9+ 385	MCS PV0062/512 MCS PV0062/513 MCS PV0062/514 MCS PV0062/515 MCS PV0062/516 MCS PV0062/517 MCS PV0062/518 MCS PV0062/519 MCS PV0062/520 MCS PV0062/521 MCS PV0062/522 MCS PV0062/523 MCS PV0062/524 MCS PV0062/525 MCS PV0062/526 MCS PV0062/527 MCS PV0062/528 MCS PV0062/529 MCS PV0062/530 MCS PV0062/531 MCS PV0062/532 MCS PV0062/533 MCS PV0062/534 MCS PV0062/535 MCS PV0062/536 MCS PV0062/537
Hanwha Q CELLS GmbH	Q.PEAK DUO XL-G9 455 - Q.PEAK DUO XL-G9 460 Q.PEAK DUO XL-G9.2 455 - Q.PEAK DUO XL-G9.2 460 Q.PEAK DUO XL-G9.3 455 - Q.PEAK DUO XL-G9.3 460	MCS PV0062/538 - MCS PV0062/539 MCS PV0062/540 - MCS PV0062/541 MCS PV0062/542 - MCS PV0062/543
Hanwha Q CELLS GmbH	Q.PEAK DUO-G6 340 Q.PEAK DUO-G6 345 Q.PEAK DUO-G6 350 Q.PEAK DUO-G6 355 Q.PEAK DUO-G8 345 Q.PEAK DUO-G8 350 Q.PEAK DUO-G8 355	MCS PV0062/463 MCS PV0062/464 MCS PV0062/465 MCS PV0062/466 MCS PV0062/480 MCS PV0062/481 MCS PV0062/482

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# MCS Product Certificate

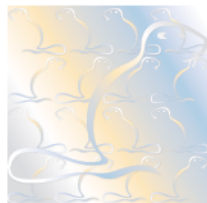


Annex I to Certificate KIWA00041

PV module manufacturer	PV module model names	MCS Certificate Number
Jinko Solar Co., Ltd.	JKM275M-60H 1684x1002x35 - JKM335M-60H 1684x1002x35 JKM275M-60HL 1684x1002x35 - JKM335M-60HL 1684x1002x35 JKM275M-60HB 1684x1002x35 - JKM335M-60HB 1684x1002x35 JKM275M-60H-V 1684x1002x35 - JKM335M-60H-V 1684x1002x35 JKM275M-60HB-V 1684x1002x35 - JKM350M-60HB-V 1684x1002x35 JKM340M-60H 1684x1002x35 - JKM350M-60H 1684x1002x35 JKM340M-60H-V 1684x1002x35 - JKM350M-60H-V 1684x1002x35 JKMS270M-60HB-MX3 1684x1002x35 - JKMS340M-60HB-MX3 1684x1002x35	MCS PV0163/3672 to MCS PV0163/3684 MCS PV0163/3685 to MCS PV0163/3697 MCS PV0163/3745 to MCS PV0163/3757 MCS PV0163/3896 to MCS PV0163/3908 MCS PV0163/3935 to MCS PV0163/3947 MCS PV0163/4054 to MCS PV0163/4056 MCS PV0163/4057 to MCS PV0163/4059 MCS PV0163/4220 to MCS PV0163/4234
Jinko Solar Co., Ltd.	JKM320M-6TL3-B 1692x1029x30 JKM325M-6TL3-B 1692x1029x30 JKM330M-6TL3-B 1692x1029x30 JKM335M-6TL3-B 1692x1029x30 JKM340M-6TL3-B 1692x1029x30 JKM345M-6TL3-B 1692x1029x30 JKM350M-6TL3-B 1692x1029x30 JKM355M-6TL3-B 1692x1029x30 JKM360M-6TL3-B 1692x1029x30 JKM365M-6TL3-B 1692x1029x30 JKM335N-6TL3-V 1692x1029x30 to JKM365N-6TL3-V 1692x1029x30 JKM320N-6TL3-B-V 1692x1029x30 to JKM365N-6TL3-B-V 1692x1029x30 JKM335N-6TL3 1692x1029x30 to JKM375N-6TL3 1692x1029x30 JKM320N-6TL3-B 1692x1029x30 to JKM365N-6TL3-B 1692x1029x30	MCS PV0163/4667 MCS PV0163/4668 MCS PV0163/4669 MCS PV0163/4670 MCS PV0163/4671 MCS PV0163/4672 MCS PV0163/4673 MCS PV0163/4674 MCS PV0163/4675 MCS PV0163/4676 MCS PV0163/4569 to MCS PV0163/4575 MCS PV0163/4559 to MCS PV0163/4568 MCS PV0163/4352 to MCS PV0163/4360 MCS PV0163/4342 to MCS PV0163/4351
LG Electronics Inc	LG365Q1C-V5 LG370Q1C-V5 LG375Q1C-V5 LG340Q1C-V5 LG345Q1C-V5 LG380Q1C-V5 LG350N1C-V5 LG355N1C/V5 LG315N1W-V5 LG320N1W-V5 LG325N1W-V5 LG330N1W-V5 LG335N1W-V5 LG340N1W-V5 LG315N1K-V5 LG320N1K-V5 LG325N1K-V5 LG330N1K-V5 LG335N1K-V5 LG340N1K-V5 LG345N1K-V5 LG350N1K-V5 LG355N1K-V5	BSI KM 564573/87/6 BSI KM 564573/87/7 BSI KM 564573/87/8 BSI KM 564573/88/1 BSI KM 564573/88/2 BSI KM 564573/88/3 BSI KM 564573/76/19 BSI KM 564573/76/13 BSI KM 564573/85/1 BSI KM 564573/85/2 BSI KM 564573/85/3 BSI KM 564573/85/4 BSI KM 564573/85/5 BSI KM 564573/85/6 BSI KM 564573/86/1 BSI KM 564573/86/2 BSI KM 564573/86/3 BSI KM 564573/86/4 BSI KM 564573/86/5 BSI KM 564573/86/6 BSI KM 564573/86/7 BSI KM 564573/86/8 BSI KM 564573/86/9
LG Electronics Inc	LG365Q1C-V5 LG370Q1C-V5 LG375Q1C-V5 LG340Q1C-V5 LG345Q1C-V5 LG380Q1C-V5 LG350N1C-V5 LG355N1C/V5 LG315N1W-V5 LG320N1W-V5 LG325N1W-V5 LG330N1W-V5 LG335N1W-V5 LG340N1W-V5 LG315N1K-V5 LG320N1K-V5 LG325N1K-V5 LG330N1K-V5 LG335N1K-V5 LG340N1K-V5 LG345N1K-V5 LG350N1K-V5 LG355N1K-V5	BSI KM 564573/87/6 BSI KM 564573/87/7 BSI KM 564573/87/8 BSI KM 564573/88/1 BSI KM 564573/88/2 BSI KM 564573/88/3 BSI KM 564573/76/19 BSI KM 564573/76/13 BSI KM 564573/85/1 BSI KM 564573/85/2 BSI KM 564573/85/3 BSI KM 564573/85/4 BSI KM 564573/85/5 BSI KM 564573/85/6 BSI KM 564573/86/1 BSI KM 564573/86/2 BSI KM 564573/86/3 BSI KM 564573/86/4 BSI KM 564573/86/5 BSI KM 564573/86/6 BSI KM 564573/86/7 BSI KM 564573/86/8 BSI KM 564573/86/9

# CERTIFICATE





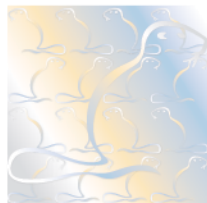
# MCS Product Certificate



Annex I to Certificate KIWA00041

PV module manufacturer	PV module model names	MCS Certificate Number
LONGi Green Energy Technology Co., Ltd.	LR4-60HPB-xxxM LR4-60HPH-350M LR4-60HPH-355M LR4-60HPH-360M LR4-60HPH-365M LR4-60HPH-370M LR4-60HPH-375M	BABT 8771-02/01 BABT 8771-06/01-350W BABT 8771-06/01-355W BABT 8771-06/01-360W BABT 8771-06/01-365W BABT 8771-06/01-370W BABT 8771-06/01-375W
LONGi Green Energy Technology Co., Ltd.	LR6-60HPB-xxxM, (xxx=300-320, in 5W steps) LR6-60HPH-xxxM, (xxx=300-325, in 5W steps) LR6-60PB-xxxM	BABT 8771-01/00  BABT 8771-04/00  BABT 8771-11/00
Perlight Solar Co., Ltd.	PLM-xxxM-60 pcs 6" (where xxx = 220W - 300W in increments of 5W) PLM-xxxMB-60 pcs 6" (where xxx = 220W - 300W in increments of 5W) PLM-xxxM-60 pcs 6" (where xxx = 220W - 320W in increments of 5W) PLM-xxxMB-60 pcs 6" (where xxx = 220W - 320W in increments of 5W) PLM-xxxP-60 pcs 6" (where xxx = 190W - 295W in increments of 5W) PLM-xxxPB-60 pcs 6" (where xxx = 270W - 295W in increments of 5W) PLM-xxxPB-60 pcs 6" (where xxx = 195W - 295W in increments of 5W)	BBA 0005/1066 to BBA 0005/1082 BBA 0005/1189 to BBA 0005/1205 BBA 0005/2259 to BBA 0005/2262 BBA 0005/2263 to BBA 0005/2266 BBA 0005/1751 to BBA 0005/1772 BBA 0005/1888 to BBA 0005/1893 BBA 0005/2244 to BBA 0005/2258
REC Solar Pte Ltd	REC295NP - REC330NP	INT PV 21916/184 to INT PV 21916/191
REC Solar Pte Ltd	REC340AA - REC370AA REC340AA Black - REC370AA Black	INT PV 21916/192 to INT PV 21916/198 INT PV 21916/199 to INT PV 21916/205
Sapphire Solar Ltd	SSxxxM/60 (where xxx = 210W to 310W in increments of 5W)	BBA 0199/45 to BBA 0199/65
Shanghai JA Solar Tech Co Ltd.	JAM60S10-xxx/PR (xxx=315 to 345 in 5W steps) JAM60S10-xxx/MR (xxx=320 to 340 in 5W steps) JAM60S10-xxx/MR (where xxx=325-345 in 5W steps) JAM60S10-325/MR JAM60S10-330/MR JAM60S10-335/MR JAM60S10-340/MR JAM60S10-345/MR JAM60S10-xxx/PR JAM60S10-315/PR JAM60S10-320/PR JAM60S10-325/PR JAM60S10-330/PR JAM60S10-335/PR JAM60S10-340/PR JAM60S10-345/PR JAM60S10-330/MB JAM60S10-335/MB JAM60S10-340/MB JAM60S10-345/MB JAM60S10-320/BP JAM60S10-325/BP JAM60S10-330/BP	BABT 8515-152  BABT 8515-165  BABT 8515-165-R1  BABT 8515-165-R1-325W BABT 8515-165-R1-330W BABT 8515-165-R1-335W BABT 8515-165-R1-340W BABT 8515-165-R1-345W BABT 8515-200 BABT 8515-200-315W BABT 8515-200-320W BABT 8515-200-325W BABT 8515-200-330W BABT 8515-200-335W BABT 8515-200-340W BABT 8515-200-345W BABT 8515-202-330W BABT 8515-202-335W BABT 8515-202-340W BABT 8515-202-345W BABT 8515-204-320W BABT 8515-204-325W BABT 8515-204-330W
Shanghai JA Solar Tech Co Ltd.	JAM60S17-xxx/PR (xxx=315 to 345 in 5W steps) JAM60S17-xxx/PR (where xxx=315-325 in 5W steps) JAM60S17-315/PR JAM60S17-320/PR JAM60S17-325/PR JAM60S17-xxx/MR (xxx=320 to 340 in 5W steps) JAM60S17-xxx/MR (where xxx=315-325 in 5W steps) JAM60S17-315/MR JAM60S17-320/MR JAM60S17-325/MR JAM60S17-330/MR JAM60S17-335/MR	BABT 8515-163  BABT 8515-163-R1  BABT 8515-163-R1-315W BABT 8515-163-R1-320W BABT 8515-163-R1-325W BABT 8515-164  BABT 8515-164-R1  BABT 8515-164-R1-315W BABT 8515-164-R1-320W BABT 8515-164-R1-325W BABT 8515-210-330W BABT 8515-210-335W

CERTIFICATE



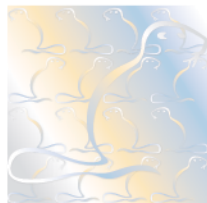
# MCS Product Certificate



Annex I to Certificate KIWA00041

PV module manufacturer	PV module model names	MCS Certificate Number
Shanghai JA Solar Tech Co Ltd.	JAM60S20-355/MR JAM60S20-360/MR JAM60S20-365/MR JAM60S20-370/MR JAM60S20-375/MR JAM60S20-380/MR JAM60S20-385/MR JAM60S20-390/MR	BABT 8515-208-R27-355W BABT 8515-208-R27-360W BABT 8515-208-R27-365W BABT 8515-208-R27-370W BABT 8515-208-R27-375W BABT 8515-208-R27-380W BABT 8515-208-R27-385W BABT 8515-208-R27-390W
Shanghai JA Solar Tech Co Ltd.	JAM60S21-355/MR JAM60S21-360/MR JAM60S21-365/MR JAM60S21-370/MR JAM60S21-375/MR	BABT 8515-224-355W BABT 8515-224-360W BABT 8515-224-365W BABT 8515-224-370W BABT 8515-224-375W
Sharp Electronics GmbH	NU-JC320B NU-JC330	BABT8775-001 BABT8775-002
Sunpower Corp.	SPR-MAX2-340 1690x1046x40 SPR-MAX2-350 1690x1046x40 SPR-MAX2-360 1690x1046x40 SPR-MAX3-400 1690x1046x40 SPR-MAX3-395 1690x1046x40 SPR-MAX3-370 1690x1046x40 SPR-MAX3-390 1690x1046x40	MCS PV0102/92 & MCS PV0280/46 MCS PV0102/93 & MCS PV0280/47 MCS PV0102/94 & MCS PV0280/48 MCS PV0102/100 & MCS PV0280/54 MCS PV0102/105 & MCS PV0280/59 MCS PV0102/98 & MCS PV0280/52 MCS PV0102/99 & MCS PV0280/53
Trina Solar Co., Ltd.	TSM-325DE06M(II) 1698x1004x35 TSM-330DE06M(II) 1698x1004x35 TSM-335DE06M(II) 1698x1004x35 TSM-325DE06M.08(II) 1698x1004x35 TSM-330DE06M.08(II) 1698x1004x35 TSM-335DE06M.08(II) 1698x1004x35 TSM-315DD06M.05(II) 1698x1004x35 TSM-320DD06M.05(II) 1698x1004x35 TSM-325DD06M.05(II) 1698x1004x35 TSM-330DD06M.05(II) 1698x1004x35 TSM-335DD06M.05(II) 1698x1004x35 TSM-340DE06M(II) 1698x1004x35 TSM-335DE06M(II) 1690x996x35 TSM-340DE06M(II) 1690x996x35 TSM-340DE06M.08(II) 1698x1004x35 TSM-330DE06M.08(II) 1690x996x35 TSM-335DE06M.08(II) 1690x996x35 TSM-340DE06M.08(II) 1690x996x35 TSM-320DD06M.05(II) 1690x996x35 TSM-325DD06M.05(II) 1690x996x35 TSM-330DD06M.05(II) 1690x996x35 TSM-345DE06M.08(II) 1690x996x35 TSM-345DE06M.08(II) 1698x1004x35 TSM-335DD06M.05(II) 1690x996x35 TSM-340DD06M.05(II) 1690x996x35 TSM-335DD06M.05(II) 1698x1004x35 TSM-340DD06M.05(II) 1698x1004x35	MCS PV0183/1697 MCS PV0183/1698 MCS PV0183/1699 MCS PV0183/1700 MCS PV0183/1701 MCS PV0183/1702 MCS PV0183/1703 MCS PV0183/1704 MCS PV0183/1705 MCS PV0183/1706 MCS PV0183/1707 MCS PV0183/1747 MCS PV0183/1748 MCS PV0183/1749 MCS PV0183/1750 MCS PV0183/1751 MCS PV0183/1752 MCS PV0183/1753 MCS PV0183/1754 MCS PV0183/1755 MCS PV0183/1756 MCS PV0183/1791 MCS PV0183/1792 MCS PV0183/1793 MCS PV0183/1794 MCS PV0183/1795 MCS PV0183/1796
Trina Solar Co., Ltd.	TSM-355DE08M(II) 1763x1040x35 - TSM-370DE08M(II) 1763x1040x35 TSM-355DE08M.08(II) 1763x1040x35 - TSM-375DE08M.08(II) 1763x1040x35 TSM-375DE08M(II) 1763x1040x35 - TSM-380DE08M(II) 1763x1040x35 TSM-380DE08M.08(II) 1763x1040x35 TSM-355DE08M.08(II) 1763x1040x40 - TSM-370DE08M.08(II) 1763x1040x40 TSM-375DE08M(II) 1763x1040x40 - TSM-380DE08M(II) 1763x1040x40 TSM-375DE08M.08(II) 1763x1040x40 - TSM-380DE08M.08(II) 1763x1040x40	MCS PV0183/1761 to MCS PV0183/1764 MCS PV0183/1769 to MCS PV0183/1773 MCS PV0183/1774 to MCS PV0183/1775 MCS PV0183/1776 MCS PV0183/1765 to MCS PV0183/1768 MCS PV0183/1777 to MCS PV0183/1778 MCS PV0183/1779 to MCS PV0183/1780
WuXi Suntech Power Co Ltd	STP300S-20/Wfh STP305S-20/Wfh	BBA 0198/34 BBA 0198/35 for both certification was 10/08/2018 - 18/08/2021

CERTIFICATE



# MCS Product Certificate



Annex I to Certificate KIWA00041

PV module manufacturer	PV module model names	MCS Certificate Number
WuXi Suntech Power Co Ltd	STP345S-B60/Wnh STP375S-B60/Wnh STP380S-B60/Wnh STP385S-B60/Wnh STP375S-B60/Wnhm STP380S-B60/Wnhm STP385S-B60/Wnhm STP345S-B60/Wnhb STP350S-B60/Wnhb STP355S-B60/Wnhb STP360S-B60/Wnhb STP365S-B60/Wnhb STP370S-B60/Wnhb STP375S-B60/Wnhb STP380S-B60/Wnhb STP385S-B60/Wnhb	BBA 0198/299 BBA 0198/365 BBA 0198/366 BBA 0198/367 BBA 0198/368 BBA 0198/369 BBA 0198/370 BBA 0198/305 BBA 0198/306 BBA 0198/307 BBA 0198/308 BBA 0198/309 BBA 0198/310 BBA 0198/371 BBA 0198/372 BBA 0198/373
Trina Solar Co Ltd	Trina Solar Vertex TSM-xxxDE09.0y (x=Power; y={8 ; 5})	MCS PV0183/1805 to MCS PV0183/1810 MCS PV0183/1811 to MCS PV0183/1816 MCS PV0183/1817 to MCS PV0183/1822 MCS PV0183/1823 to MCS PV0183/1828 MCS PV0183/1829 to MCS PV0183/1834 MCS PV0183/1835 to MCS PV0183/1840
Shanghai JA Solar Tech Co Ltd	JA Solar JAM54S30-xxx/MR/yyyy (xxx = Power ; yyyy = Voltage)	BABT 8515-229-390W BABT 8515-229-395W BABT 8515-229-400W BABT 8515-229-405W BABT 8515-229-410W BABT 8515-229-415W BABT 8515-230-390W BABT 8515-230-395W BABT 8515-230-400W BABT 8515-230-405W BABT 8515-230-410W BABT 8515-230-415W BABT 8515-231-390W BABT 8515-231-395W BABT 8515-231-400W BABT 8515-231-405W BABT 8515-231-410W BABT 8515-231-415W
Shanghai JA Solar Tech Co Ltd	JA Solar JAM54S31-xxx/MR/yyyy (xxx = Power ; yyyy = Voltage)	BABT 8515-232-385W BABT 8515-232-390W BABT 8515-232-395W BABT 8515-232-400W BABT 8515-232-405W BABT 8515-233-385W BABT 8515-233-390W BABT 8515-233-395W BABT 8515-233-400W BABT 8515-233-405W BABT 8515-234-385W BABT 8515-234-390W BABT 8515-234-395W BABT 8515-234-400W BABT 8515-234-405W
SolarEdge Technologies Ltd.	SolarEdge Smart Module yPVxxx-R60DzMG (xxx = Power ; y = {S,Ø} ; z = {B,W})	BABT8787-101-345W to BABT8787-101-370W BABT8787-102-345W to BABT8787-102-370W BABT8787-103-345W to BABT8787-103-370W BABT8787-104-345W to BABT8787-104-370W
Hanwha Q CELLS GmbH	Q.PEAK DUO zzz ML-Gy (y = 10 ; 10+) , {zzz = BLK ; Ø}	MCS PV0062/562 - MCS PV0062/568 MCS PV0062/569 - MCS PV0062/575 MCS PV0062/576 - MCS PV0062/582 MCS PV0062/583 - MCS PV0062/589 MCS PV0062/590 - MCS PV0062/596 MCS PV0062/597 - MCS PV0062/603 MCS PV0062/604 - MCS PV0062/610 MCS PV0062/611 - MCS PV0062/617
Hanwha Q CELLS GmbH	Q.PEAK DUO zzz ML-Gy (y = 11 ; 11+) , {zzz = BLK ; Ø}	MCS PV0062/634 - MCS PV0062/639 MCS PV0062/640 - MCS PV0062/645 MCS PV0062/646 - MCS PV0062/651 MCS PV0062/652 - MCS PV0062/657
European Energy World, S.L.	Eurener MEPVxxx V1(xxx = power)	BABT8806-105-390W to BABT8806-105-415W
European Energy World, S.L.	Eurener MEPVxxx X (xxx = power)	BABT8806-103-295W to BABT8806-103-380W

# CERTIFICATE

The following components are common for the product systems that have been assessed and registered by Kiwa Ltd against the provisions of:

MCS 010, MCS 011, MCS 012

<b>Mounting frame installation components</b>
GSE Flashing Hook
Middle Clamp Hxx - Steel - Black - In Roof
End Clamp Hxx - Steel - Black - In Roof
GSE Integration Screw - 6.3mmx60mm - Grey
GSE Integration Screw - 6.3mmx60mm - Black
Left Wedge for Simple Clamp - In Roof
Right Wedge for Simple Clamp - In Roof
EPDM Cell for Screw - In Roof (25x21 EP. 5mm)
Pre-Compressed Seal - 20 x 40mm 5.5m (roll)
Flexalu Waterproof Strip Black 330mm (5 m roll)
Flexalu Waterproof Strip Black 500mm (5 m roll)
Flexalu Waterproof Strip Red 500mm (5 m roll)
Roof-Underlay Screen (75 m <sup>2</sup> roll)
Universal Top Centre Flashing - Black L 1500mm
Top Junction Flashing - Black L 375mm
Top Corner Piece Flashing - Black L1400mm (To Join Module to Top Centre Flashings)
Pop Rivet 4x8 (Fixations Rivet for Top Centre Flashing)
Lateral Flashing - Black
Lateral Flashing P30 - Black
Top Left Corner Flashing - Black
Top Right Corner Flashing - Black

