Certificate of Compliance

Certificate: 80027925 **Master Contract:** 266494

Project: **80206531** **Date Issued:** **July 19, 2024**

Issued To: **LONGi Green Energy Technology Co., Ltd.**
No. 388, Middle Hangtian Road,
Chang'an District
Chang'an District, Xi'an., Shaanxi, 710100
China

Attention: Guoyi Tang

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.

Issued by: Tom Yang
Tom Yang

PRODUCTS

CLASS - C531110 - POWER SUPPLIES Photovoltaic Modules and Panels
CLASS - C531190 - POWER SUPPLIES Photovoltaic Modules and Panels - Certified to US Standards

Mono-Crystalline-Si photovoltaic modules with maximum system voltage of 1000V or 1500 V dc, Safety Class II PV modules. Model series:
LR6-72-xxxM (xxx=320-350, in step of 5),
LR6-72HV-xxxM (xxx=320-350, in step of 5),
LR6-72BK-xxxM (xxx=320-350, in step of 5),
LR6-72PE-xxxM (xxx=360-380, in step of 5),
LR6-72PH-xxxM (xxx=360-380, in step of 5),

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LR6-72PB-xxxM (xxx=340-380, in step of 5),
LR6-72HPB-xxxM (xxx=360-385, in step of 5),
LR6-72HIB-xxxM (xxx=360-385, in step of 5),

LR6-60-xxxM (xxx=270-300, in step of 5),
LR6-60HV-xxxM (xxx=270-300, in step of 5),
LR6-60BK-xxxM (xxx=270-300, in step of 5),
LR6-60PE-xxxM (xxx=300-320, in step of 5),
LR6-60PH-xxxM (xxx=300-320, in step of 5),
LR6-60PB-xxxM (xxx=280-320, in step of 5),
LR6-60OP-xxxM (xxx=350-370, in step of 5),
LR6-60OPB-xxxM (xxx=345-365, in step of 5),
LR6-72OPH-xxxM (xxx=385-415, in step of 5),
LR6-60OPH-xxxM (xxx=335-365, in step of 5),
LR6-72HPH-xxxM (xxx=365-395, in step of 5),
LR6-72HIH-xxxM (xxx=365-395, in step of 5),
LR6-60HPH-xxxM (xxx=300-330, in step of 5),
LR6-60HPB-xxxM (xxx=295-320, in step of 5),
LR6-60HIB-xxxM (xxx=295-320, in step of 5),
LR6-60HIH-xxxM (xxx=300-330, in step of 5),
LR6-60ZPH-xxxM (xxx=335-355, in step of 5),

LR4-72HPB-xxxM (xxx=405-450, in step of 5),
LR4-72HIB-xxxM (xxx=405-455, in step of 5),
LR4-72HPH-xxxM (xxx=420-465, in step of 5),
LR4-72HIH-xxxM (xxx=420-455, in step of 5),

LR4-66HPH-xxxM (xxx=395-425, in step of 5),
LR4-66HP-xxxM (xxx=395-425, in step of 5),
LR4-66HIH-xxxM (xxx=395-425, in step of 5),

LR4-50HPH-xxxM (xxx=305-325, in step of 5),
LR4-60HPB-xxxM (xxx=345-380, in step of 5),
LR4-60HIB-xxxM (xxx=335-380, in step of 5),
LR4-60HPH-xxxM (xxx=350-385, in step of 5),
LR4-60HP-xxxM (xxx=350-385, in step of 5),
LR4-60HIH-xxxM (xxx=350-380, in step of 5),
LR4-60ZPB-xxxM (xxx=340-360, in step of 5),
LR4-72ZPH-xxxM (xxx=420-440, in step of 5),
LR4-78ZPH-xxxM (xxx=450-485, in step of 5),

LR5-54HPH-xxxM (xxx=400-435, in step of 5),
LR5-54HIH-xxxM (xxx=400-435, in step of 5),
LR5-54HPB-xxxM (xxx=390-420, in step of 5),

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LR5-54HIB-xxxM (xxx=390-415, in step of 5),
LR5-60HPH-xxxM (xxx=435-480, in step of 5),
LR5-60HIH-xxxM (xxx=435-480, in step of 5),

LR5-66HPH-xxxM (xxx=480-530, in step of 5),
LR5-66HIH-xxxM (xxx=480-530, in step of 5),
LR5-72HPH-xxxM (xxx=525-575, in step of 5),
LR5-72HIH-xxxM (xxx=525-575, in step of 5),
LR5-78HPH-xxxM (xxx=575-595, in step of 5),
LR5-78ZPH-xxxM (xxx=565-585, in step of 5),

LR5-72HTH-xxxM (xxx=540 to 600, in step of 5),
LR5-54HTH-xxxM (xxx=405 to 450, in step of 5),
LR5-54HTB-xxxM (xxx=400 to 440, in step of 5),

LR5-54HNH-xxxM (xxx=410 to 430, in step of 5),
LR5-60HNH-xxxM (xxx=455 to 475, in step of 5),
LR5-66HNH-xxxM (xxx=500 to 520, in step of 5),
LR5-72HNH-xxxM (xxx=550 to 570, in step of 5),

LR5-54HNB-xxxM (xxx=400 to 420, in step of 5),
LR5-60HNB-xxxM (xxx=450 to 470, in step of 5),
LR5-66HNB-xxxM (xxx=495 to 515, in step of 5),
LR5-72HNB-xxxM (xxx=535 to 560, in step of 5).

Note:

1. All electrical data are shown as relative to standard test conditions (STC) (1 000 W/m2, (25 ± 2) °C, AM 1,5 according to IEC 60904-3).
2. Manufacturer's stated tolerance is ±3% for Voc and Pm, and Isc.
3. All modules model with suffix 'HV' after '72' or '60', can be used in PV system with maximum system voltage 1500 V dc.
4. All modules model with suffix 'BK' after '72' or '60', are black modules (substrate is in black color).
5. All modules model with suffix 'PH' after '72' or '60', are modules with PERC cells used in maximum system voltage of 1500 V dc.
6. All modules model with suffix 'PE' after '72' or '60', are modules with PERC cells used in maximum system voltage of 1000 V dc.
7. All modules model with suffix 'PB' after '72' or '60', are black modules with PERC cell (substrate is in black color).
8. All modules model with suffix 'OPH' after '72' or '60', are modules with 1/6 cut cells used in maximum system voltage of 1500 V dc.
9. All modules model with suffix 'HPH' or 'HIH' after '72' or '66' or '60' or '54' or '50', are modules with 1/2 cut cells used in maximum system voltage of 1500 V dc.
10. All modules model with suffix 'HP' after '72' or '60', are modules with 1/2 cut cells used in maximum system voltage of 1000 V dc.

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11. All modules model with suffix ‘HPB’ or ‘HIB’ after ‘72’ or ‘60’ or ‘54’, are black modules with 1/2 cut cells used in maximum system voltage of 1000 V dc.
12. LR6 is for models with 156mm cells, LR4 is for models with 166mm cells, LR5 is for models with 182mm cells.
13. All modules model with suffix ‘ZPH’ after ‘72’ or ‘60’, are modules with 1/2 cut cells, total cells no. is 144 or 120, Zero Clearance Perc used in maximum system voltage of 1500 V dc.
14. All modules model with suffix ‘ZPB’ after ‘72’ or ‘60’, are black modules with 1/2 cut cells, total cells no. is 144 or 120, Zero Clearance Perc used in maximum system voltage of 1500 V dc.
15. All modules model with suffix ‘ZPH’ after ‘78’ or ‘72’ or ‘60’, are modules with 1/2 cut cells, total cells no. is 156 or 144 or 120, Zero Clearance Perc used in maximum system voltage of 1500 V dc.
16. All modules model with suffix ‘HTH’ are models with 1/2 cut cells T technology high voltage.
17. All modules model with suffix ‘HTB’ are models with 1/2 cut cells T technology black high voltage.
18. All modules model with suffix ‘OP’ after ‘60’, are modules with 1/5 cut cells used in maximum system voltage of 1000 V dc.
19. All modules model with suffix ‘HNH’ after ‘72’, ‘66’, ‘60’, ‘54’, are modules with 1/2 cut N type technology cells used in maximum system voltage of 1000 V dc.
20. All modules model with suffix ‘HNB’ after ‘72’, ‘66’, ‘60’, ‘54’, are modules with 1/2 cut N type technology cells used in maximum system voltage of 1000 V dc, with black substrates.
21. All modules model with suffix ‘OPB’ after ‘60’, are modules with 1/5 cut cells used in maximum system voltage of 1000 V dc, black color.
22. The operating ambient temperature of these devices may exceed 40℃ at full load for all wire sizes if it is determined suitable in the field use application.

APPLICABLE REQUIREMENTS

CSA C22.2 No. 61730-1:19	Photovoltaic (PV) module safety qualification - Part 1: Requirements for construction, 2019-12
CSA C22.2 No. 61730-2:19	Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing, 2019-12
UL 61730-1 2nd Edition	Photovoltaic (PV) Module Safety Qualification – Part 1: Requirements for Construction, October 28, 2022
UL 61730-2 2nd Edition	Photovoltaic (PV) Module Safety Qualification – Part 2: Requirements for Testing, October 28, 2022, Reprint Nov 10, 2023

Notes:

Products certified under Class C531110 have been certified under CSA’s ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca

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Supplement to Certificate of Compliance

Certificate: 80027925 **Master Contract:** 266494

The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
80206531	**2024-07-19**	**Update report to add new installation methods for model series LR5-54HPB-xxxM. Changes superstrate manufacturer from Flat Solar Glass Group Co., Ltd, and alternative superstrate manufacturers Anhui Flat Solar Glass Co,.Ltd, ZHEJIANG JIAFU GLASS CO.,LTD., Flat (VIETNAM) CO., LTD, and Xinyi Solar (Malaysia) Sdn., add alternative cell manufacturer LONGI MALAYSIA SDN. BHD., add alternative cell interconnector manufacturer NANTONG DEJINCHANG PHOTOELECTRIC TECHNOLOGY CO.,LTD and DESHENGCHANG NEW MATERIAL(THAILAND) CO.,LTD.**
80183655	2024-06-11	Update report to add new transparent substrate FCC-JW30M(plus) from Jolywood, add the combination with encapsulation F806PS and SV-15297, update related UL multiple listing information for the models mentioned.
80189373	2024-04-17	Update report to add alternative reduced thickness 165±16.5 um for cell M10B9B.
80189371	2023-11-28	Update report to add alternative encapsulation P507/S201W by HIUV Material Technology, combined with substrate PPCw1, alternative encapsulation B602/B601W by Changzhou Betterial Film Technologies Co.,Ltd, combined with substrate BO-P2 by Crown Advanced Material Co.,Ltd, and related materials combination by LONGi Greem Energy Technology Co., Ltd, with related UL multiple listings.
80166720	2023-09-22	Update report 80029725 to include alternative internal circuit with little change for model series LR5-72HTH-xxxM, add alternative output wiring system - PV-LR08A, include alternative size of string interconnectors with little change, include alternative manufacturers for the same bypass diode 40SQ045.
80151917	2023-09-04	Update report 80027925 to include new encapsulation T11/W11 by Cybrid Technologies Inc, combined with already approved substrates TPP1, TFB-30(plus), NewCo-1500E, and Crown BF-TM4(1500). Add alternative substrate LRTxyz01(x=O, y=A, z=B) by LONGi Green Energy Technology Co., Ltd, with UL multiple listing between LONGi and Crown.

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80137008	2023-07-06	Update report 80027925 to add new model series LR5-54HNH-xxxM, LR5-60HNH-xxxM, LR5-66HNH-xxxM, LR5-72HNH-xxxM, LR5-54HNB-xxxM, LR5-60HNB-xxxM, LR5-66HNB-xxxM, LR5-72HNB-xxxM, with new N type cells M10N18B and M10N20B, new cells interconnector ϕ 0.23 mm.
80162775	2023-06-21	Update report 80027925 to add new type black film TSGH-1 by TONYSHARE (Suzhou) Electronic Material Technology Co., Ltd., add alternative 2 installation methods for model series LR5-72HPH-xxxM(Project 80151906).
80151907	2023-06-02	Update report 80027925 to add new substrate Cynagard 295D by Cybrid Technologies Inc, alternate EVA B601HP+B601P by Changzhou Betterial Film Technologies Co.,Ltd, add substrate/EVA combinations as the following: Cynagard 295D & B601HP/B601W, Cynagard 295D & S201MT1/S201W, Cynagard 295D & SV-15296/SV-15297W, Cynagard 295D & B601HP/B601P, Cynagard 295D & F406PS/F806W, with relevant multiple listings for substrates and encapsulations from TÜV for LONGi. Add alternative cell manufacturer - NWESTERN SOLAR VIETNAM COMPANY LIMITED, by declaration letter， change EVA manufacturer name from CHANGZHOU BBETTER FILM TECHNOLOGIES CO., LTD to Changzhou Betterial Film Technologies Co.,Ltd, by by declaration letter.
80163911	2023-03-30	Update report 80027925 to add alternative frame design little change with 30 mm frame B side for several LR5 series models, update to UL 61730-1 and -2 to latest version 2nd Edition(Dated: October 22, 2022).
80142006	2023-03-27	Update report 80027925 to add new substrate ETP15C by Ningbo Exciton New Energy Co Ltd, alternate substrate/EVA combinations as the following: BEC-301P & F406PS/F806PS, ETP15C & B601HP/B601W, ETP15C & S201MT1/S201W, ETP15C & SV-15296/SV-15297W, ETP15C & SV-15296/SV-15297, ETP15C & F406PS/F806W, with relevant multiple listings for substrates and encapsulations from TUV Rheinland for LONGi.
80138001	2023-03-14	Update report 80027925 to add new substrate PPCw1 by LUCKY FILM CO., LTD, add alternate substrate/EVA combinations as the following: BEC-301P & S201MT1/S201W, PPCw1 & B601HP/B601W, PPCw1 & S201MT1/S201W, PPCw1 & SV-15296/SV-15297W, PPCw1 & SV-15296/SV-15297, PPCw1 & F406PS/F806W, with relevant multiple listings for substrates and encapsulations from TUV SUD for LONGi.
80137794	2023-02-10	Update report 80027925 to add alternate substrate/EVA combinations as the following: BEC-301P & B601HP/B601W, BEC-301P & SV-15296/SV-15297W, BO-P2 & B601HP/B601W, BO-P2 & S201MT1/S201W, BO-P2 & SV-15296/SV-15297W, with relevant multiple listings for substrates and encapsulations from UL for LONGi.

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80140599	2023-01-19	Update report 80027925 to add alternative substrate BEC-301PC by SUZHOU FIRST PV MATERIALS CO LTD, combined with approved encapsulation F406PS/ F806W, also add the related multiple listing substrate LRPTyz01 by Longi Green Energy Technology Co Ltd.
80128860	2022-11-07	Update report 80027925 to add alternative frame and Jbox adhesives 9661 and 888C, combined with Longi Junction boxes and approved substrates glass.
80125871	2022-11-07	Update report to add 2 new installation methods for model series LR5-54HPH-xxxM, add alternative connectors PV-KST4-EVO2A/xy, PV-KBT4-EVO2A/y for Longi Jboxes, add alternative encapsulation LRET/LREC, LRET/LREW, LRPT/LREC, LRPT/LREW, which are multiple listings with already approved encapsulations.
80133390	2022-11-07	Update report 80029725 to include new B/S KPC by HONDOL combined with EVA F406PS/F806W and SV-15296/SV-15927W, include new B/S CPC by HONDOL combined with EVA S201MT1/S201W and B601HP/B601W.
80131822	2022-09-09	Update report to add alternative adhesives HT-8188, 1581, and CREVO709, combined with Longi Junction boxes and approved substrates.
80137010	2022-08-25	Update report to add new model series LR5-54HIH-xxxM, LR5-60HPH-xxxM, LR5-60HIH-xxxM, enlarge the power range for several model series, add new cell M10B18B, new cell interconnector Φ0.25
80121444	2022-08-05	Update report 80027925 to include new model series LR5-72HTH-xxxM, LR5-54HTH-xxxM, LR5-54HTB-xxxM, with new cell M10P0B, add alternative encapsulation TF4/F806PS, TF4/F806W.
80134387	2022-07-21	Update report 80027925 to include alternative backsheet (BO-P2, white and black) by Crown, combined with EVA F406PS/F806W, F406PS/F806PS.
80132786	2022-07-08	Update report 80027925 to include new alternative substrate KPCw1 from Lucky Film, add combination of encapsulation S201MT1/S201W, F406PS/F806W, SV-15296/SV-15927W, B601HP/B601W with substrates Cynagard2X5A(R) and KPCw1, enlarge power range to 425W for model series LR5-54HPH, add new insulation barrier Cynagard 115F, add alternative flux manufacturer sites by declaration letter, add new fixing tape FF-3665(T75), add alternative cell size with little change as approved, update encapsulation thickness base on the test result of this project, add new manufacturer sites for superstrate by Xinyi, with declaration letter.
80125869	2022-04-29	Update report 80027925 to revise the 182 mm cells dimension with little change (182(±2) mm), half cut 182(±2) x 91(±2) mm, enlarge power range to 505W for model series LR5-66HIH, revise the triangle cells connectors description, change the manufacturers name from MULTI-CONTACT ESSEN GMBH to Staubli Electrical Connectors AG as acquisition, and new model series LR5-54HPB and LR5-54HIB based on approved models, add

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		alternative size for several model series with approved size for other model series.
80112569	2022-01-28	Update report 80027925 to add new model series LR4-50HPH, include new sizes for model series LR5-66HPH-xxxM(2093 x 1134 x 35), LR5-72HPH-xxxM(2278 x 1134 x 35), with little change as previous approved, include new model series LR5-54HPH-xxxM, with previous evaluation models, include reflective string connection 0.3mm x 4mm, 0.3mm x 7mm.
80108450	2022-01-07	Update report 80027925 to include alternative superstrate glass by Ningxia Jinjin Technology Co., Ltd, include alternative output wiring system PV-LR07A complied with IEC 62790, based on TÜV SÜD Test Report No.: 70.407.18.168.01-01A1, with additional evaluation requirement by CSA Group.
80105962	2021-12-16	Update report 80027925 to include new installation method to model series LR4-72HPB-xxxM with front side 8100Pa, back side 6120Pa, add alternate revised cell M6B9B, M10B9B, M10D9B.
80092559	2021-11-08	Update report to include alternative substrate NewCo-1500 by Zhejiang Sinopoly Materials Co., Ltd. combined with encapsulation B601HP/B601W, SV-15296/SV-15297W, alternate superstrate glass by Suolate Special Glass (Jiangsu) Co., Ltd, include substrate (26) by Longi Green Energy Technology Co Ltd(E521036) under UL multiple listing, include alternate flux WTO-PV112F by Shenzhen Weite New Material Co., Ltd, include alternative Jbox/Frame adhesive RS-3316, potting RS-3200 by ZHENJIANG RAYBOND HEW MATERIAL TECHIIOLOGY CO.LTD.
80096067	2021-09-26	Update report 80027925 to add new 2.8mm and 3.2mm thickness superstrate solar glass by Chenzhou Kibing Photovoltaic Glass Co., Ltd，Combination between TFB-30(PLUS) and encapsulation B601HP/B601W, include alternate fixing tape 9966, include alternate installation method(Project 80092909).
80096049	2021-08-31	Update report 80027925 to include alternate EVA B601HP/B601W, combined with substrate BEC-306D, ETT15S-1, Crown BF-TM4(1500V),TPP1, include alternate superstrate glass 2.8&3.2 mm thickness by Anhui Shengshi New Energy Materials Technology Co., Ltd
80084261	2021-08-11	Update report to include new model series LR5-78HPH-xxxM and LR5-78ZPH-xxxM, add alternate flux 8000T20 by ShenZhen Embrace Glory Electronic Material Co.,Ltd or HuiZhou Embrace Glory New Material Technology Co. LTD. Include encapsulation and substrates by Longi Green Energy Technology Co Ltd(E521036) under UL multiple listing. Change manufacture name from Jiangsu CREVO science & technology Co.,Ltd. to Sika (Jiangsu) industrial Material Ltd.
80087616	2021-06-15	Update report 8027925 to add material combinations: Substrate ETT15S-1 with encapsulation S201MT1/ S201W, F406PS/F806W, SV-15296/SV-15297W, LRET/LREW.

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80069667	2021-05-28	Update report to: (1) Add alternate encapsulation and substrate combinations, (i) S201MT1/S201MT2 by Shanghai HIUV New Materials Co Ltd., (ii) F406PS/F806W by HANGZHOU FIRST APPLIED MATERIAL CO., LTD., (iii) SV15296/SV15297W by Changzhou Sveck Photovoltaic New Material Co., Ltd., combined with KFB-30(plus) by JOLYWOOD (SUZHOU) SUNWATT CO LTD.; (2) Add alternative cell, manufactured by LONGi Solar Technology Co., Ltd., type M6C9B; (3) Add alternative cell interconnector, with diameter 0.3mm; (4) Correction of electrical parameters of LR4-72HPB-xxxM (xxx=405-450, in step of 5).
80077617	2021-04-23	Update report to alternate frame design for model series LR4-72HPB-xxxM, alternate label 50 micron White PET TC/S333, which only changes the color as the approved one.
80075511	2021-04-13	Update report to add alternate encapsulation S201MT1/S201MT2 by Shanghai HIUV New Materials Co Ltd, alternate black color for susbstrate BEC-306D, combined with F806PS, and S201MT2, and alternate encapsulation LRET/LRET, LRET/LREW by Longi Green Energy Technology Co Ltd, as a multiple listee with Shanghai HIUV New Materials Co Ltd.
80075689	2021-03-19	Update report to add alternate superstrate glass, manufactured by Henan Ancai Hi-Tech Co., Ltd., AR coated and temped glass, air side coated, with thickness of 2.8mm and 3.2mm.
80070015	2021-02-26	Update report to include new model series LR5-72HIBD-xxxM and LR5-66HIBD-xxxM, using new cell M10D9B, include new model series LR4-66HP-xxxM, enlarge the power range of LR4-66HIH-xxxM, LR4-66HIH-xxxM, LR4-66HIH-xxxM up to 425W, and add 3.2 mm thickness glass by Shanxi Rishengda New Material Technology Co., Ltd.
80062976	2021-02-18	Update report to add alternate string interconnectors with black coating.
80061338	2021-02-07	Update report to include: (1) Alternate cell design for type M6B9B; (2) Alternate flux agent, manufactured by Asahi Solder Technology (Wuxi) Co., Ltd., type SF56; (3) Alternate bypass diode used in junction box Longi PV-LR03A, manufactured by Zhejiang Zhonghuan Sunter PV Technology Co., Ltd., type 30SQ045.
80048181	2021-01-12	Update report to include: (1) New encapsulation and substrate combinations, (a) “Changzhou Sveck Photovoltaic New Material Co., Ltd.”, type “SV-15296” above cells, type “SV-15297W” below cells, with “Jolywood (Suzhou) Sunwatt Co., Ltd.”, type “TFB-30(plus)”; (b) “Shanghai HIUV New Materials Co., Ltd.”, type “S201MT1” above cells, type “S201W” below cells, with “Jolywood (Suzhou) Sunwatt Co., Ltd.”, type “TFB-30(plus)”; (2) New model series LR4-66HPH-xxxM (xxx=395 to 415) and LR4-66HIH-xxxM (xxx=395 to 415).

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80063163	2020-12-18	Update report to include new model series LR5-72HPH-xxxM and LR5-66HPH-xxxM, using halved cut cell M10B9B.
80048180	2020-12-07	Update report to include: (1) Alternative superstrate , “Shanxi Rishengda New Material Technology Co., Ltd.”, type “AR coated tempered glass 2.8mm”; (2) Alternative substrate, “Suzhou First PV Material Co., Ltd.”, type “BEC-306D”; (3) New encapsulation and substrate combinations; (4) Alternative junction box adhesive, “Chengdu Guibao Science & Technology Co., Ltd.”, type “888N”; (5) Alternative frame adhesive, “Chengdu Guibao Science & Technology Co., Ltd.”, type “888N”; (6) Alternative potting material, “Chengdu Guibao Science & Technology Co., Ltd.”, type “4808”; (7) Alternative potting material, “JIANGSU TIANCHEN NEW MATERIALS CO LTD”, type “HT6360”; (8) Alternative fixing tape, manufactured by “Cybrid Technologies Inc”, type “FF3665”.
80055541	2020-11-02	Update report 80027925 to add new design for model series LR6-60OP-xxxM and LR6-60OPB-xxxM.
80055320	2020-09-25	Update report 80027925 to add new designed model series LR4-78ZPH.
80048179	2020-09-04	Update report to include: (1) Alternative superstrate glasses with reduced thickness, manufacturered by Xinfuxing and Topray, with thickness reduction from 3.2mm to 2.8mm; (2) New encapsulation and substrate combinations; (3) Alternative fixing tape, manufactured by “Yantai Darbond Technology Co., Ltd.”, type “DT-9609”.
80042752	2020-07-24	Update report to add alternate substrate MGTPE390.
80042860	2020-07-24	Update report to add new 30 mm x 30mm frame design for LR4-60HPH model series.
80037991	2020-06-17	Update report to add model series using new cell M6E6B, by Vina Cell technology Co., Ltd., and flux SF105.
80036991	2020-06-17	Add white EVA LR6-72PH-375 M
80024182	2020-04-27	Update report to add model series LR6-60ZPH-xxxM, LR6-60ZPB-xxxM and LR6-72ZPH-xxxM with new cells M2B6B and M6B6B, add model series LR4-60HP-xxxM with maximum system voltage of 1000V dc.
80035966	2020-03-20	Update report to add alternate cells interconnectors, and alternate output wiring compartments PV-LR02A, PV-LR02C, PV-LR03A, PV-LR03C, PV-LR04A.
80027422	2020-03-20	Update report to add alternate cells M6B9B and M6E9B, interconnectors, and alternate module sizes for models with 9bb M6 cells.
80034137	2020-02-27	Update report to add new model series LR4-72HPB-xxxM, LR4-72HPH-xxxM, LR4-60HPB-

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		xxxM, LR4-60HPH-xxxM, with new cell M6E6B.
80023863	2020-02-20	Update report to add model series using new cells M2C5B, M2C6B, M6C6B, and related model series.
80030666	2020-01-09	Update report to add combinations of materials and new model series, as a reference of Test Report No. 704061802022-05, 704061802022-06 by TÜV SÜD Certification and Testing (China) Co., Ltd, and previous CSA Projects.
80027925	2019-12-17	Original certification

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