



Certificate of Compliance

Certificate: 80021505

Master Contract: 266494

Project: 80075686

Date Issued: 2021-03-25

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

Attention: Fei Zhuang

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

Bifacial dual glass photovoltaic modules with maximum system voltage of 1500 V dc, Safety Class II PV modules.

LR6-72BP-xxxM, xxx=350 to 380, in steps of 5W,
LR6-72PD-xxxM, xxx= 345 to 370, in steps of 5W,
LR6-72DG-xxxM, xxx= 330 to 360, in steps of 5W,
LR6-72HBD-xxxM, xxx= 360 to 395, in steps of 5W,
LR6-72HIBD-xxxM, xxx= 360 to 385, in steps of 5W,
LR6-72OPD-xxxM, xxx= 380 to 405, in steps of 5W,
LR6-72HPD-xxxM, xxx= 360 to 385, in steps of 5W,
LR6-72MBD-xxxM, xxx= 360 to 380, in steps of 5W,
LR6-72MPD-xxxM, xxx= 360 to 380, in steps of 5W,
LR4-72HBD-xxxM, xxx= 415 to 455), in steps of 5W,
LR4-72HIBD-xxxM, xxx= 420 to 450, in steps of 5W,
LR6-60BP-xxxM, xxx=290 to 315, in steps of 5W,
LR6-60PD-xxxM, xxx=285 to 305, in steps of 5W,
LR6-60DG-xxxM, xxx=275 to 300, in steps of 5W,
LR6-60HBD-xxxM, xxx= 300 to 320, in steps of 5W,
LR6-60HIBD-xxxM, xxx= 300 to 320, in steps of 5W,



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LR6-60OPD-xxxM, xxx= 315 to 335, in steps of 5W,
LR6-60HPD-xxxM, xxx= 300 to 320, in steps of 5W,
LR6-60MBD-xxxM, xxx= 300 to 320, in steps of 5W,
LR6-60MPD-xxxM, xxx= 300 to 320, in steps of 5W,
LR4-60HBD-xxxM, xxx= 345 to 380, in steps of 5W,
LR4-60HIBD-xxxM, xxx= 350 to 380, in steps of 5W,
LR6-78HBD-xxxM, xxx= 390 to 420, in steps of 5W,
LR6-78OPD-xxxM, xxx= 410 to 435, in steps of 5W,
LR5-72HBD-xxxM, xxx= 520 to 545, in steps of 5W,
LR5-66HBD-xxxM, xxx= 475 to 495, in steps of 5W,
LR4-78ZBD-xxxM, xxx= 465 to 485, in steps of 5W,
LR5-72HIBD-xxxM, xxx= 520 to 540, in steps of 5W,
LR5-66HIBD-xxxM, xxx= 475 to 495, in steps of 5W.

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. Rated electrical characteristics are only reflected the front side performance, regardless of the back side.
4. All modules model with suffix 'BP' after '72' or '60', are Bifacial PERC modules
5. All modules model with suffix 'PD' after '72' or '60', are modules with PERC Dual Glass.
6. All modules model with suffix 'DG' after '72' or '60', are modules with Dual Glass.
7. All modules model with suffix 'HBD' after '72' or '60' or '78', are modules with Multi-Busbar Bifacial Dual Glass.
8. All modules model with suffix 'OPD' after '72' or '60' or '78', are modules with Overlap Bifacial PERC Dual Glass.
9. All modules model with suffix 'HPD' after '72' or '60', are modules with Half Cell PERC Dual Glass.
10. All modules model with suffix 'MBD' after '72' or '60', are modules with Multi-Busbar Bifacial Dual Glass.
11. All modules model with suffix 'MPD' after '72' or '60', are modules with Multi-Busbar PERC Dual Glass.
12. All modules model with suffix 'HIBD' after '72' or '60', are modules with Half Improved Bifacial Cell Dual Glass.
13. LR6 is for models with 156mm cells, and LR4 is for models with 166mm cells, and LR5 is for models with 182mm.
14. The operating ambient temperature of these devices may exceed 40°C at full load for all wire sizes if it is determined suitable in the field use application.
15. For details related to rating, size, configuration, etc. reference should be made to CSA Certification Record or the descriptive report.

APPLICABLE REQUIREMENTS

| | |
|------------------------------|---|
| CAN/CSA-C22.2 No. 61730-1:19 | Photovoltaic (PV) module safety qualification - Part 1: Requirements for construction, 2019-12. |
| CAN/CSA-C22.2 No. 61730-2:19 | Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing, 2019-12. |
| UL 61730-1 First Edition | Photovoltaic (PV) Module Safety Qualification – Part 1: Requirements for Construction, 2017-12-04, revision date 2020-04-30 |
| UL 61730-2 First Edition | Photovoltaic (PV) Module Safety Qualification – Part 2: Requirements for Testing, 2017-12-04, revision date 2020-04-30. |



Supplement to Certificate of Compliance

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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 |
|----------|------------|--|
| 80075686 | 2021-03-25 | Update report 80021505 to include superstrate and substrate glass 2.0mm and 2.5mm thickness by Changli glass Honghu Co., Ltd, add alternate adhesive and potting GUIBAO 888N for junction box PV-LR04A, and PV-LR05A, alternate junction box adhesive GUIBO 4808. |
| 80070016 | 2021-01-26 | Update report 80021505 to include new model series LR5-72HIBD-xxxM and LR5-66HIBD-xxxM, using new cell M10D9B, also enlarge the power range to 545W for model series LR5-72HBD-xxxM, update the naming code to make it clearer. |
| 80057350 | 2021-01-05 | Update report 80021505 to add alternate superstrate/substrate 2.5mm and 2.0mm thickness glass by CAI HONG GROUP NEW ENERGY COMPANY LIMITED, alternate fixing tape DT-9609 by Yantai Darbond Technology Co., Ltd. |
| 80057346 | 2020-12-25 | Update report 80021505 to include alternate cell M6B6B by JIANGSU RUNERGY YUEDA PV TECHNOLOGY CO.,LTD, alternate flux GOLF703-C by YIK SHING TAT INDUSTRIAL CO.,LTD. |
| 80055318 | 2020-12-14 | Update report 800215055 to add new designed model series LR4-78ZBD-xxxM, and reduced thickness of encapsulation SV15296/ SV15296. |
| 80063164 | 2020-11-27 | Update report to include new model series LR5-72HBD-xxxM and LR5-66HBD-xxxM, using halved cut cell M10B9B, output wiring system PV-LR05A. |
| 80062314 | 2020-11-20 | Update report 80021505 to include new superstrate and substrate 2.0mm/2.5mm glass by Shanxi RiShengDa New Energy Group Co.,Ltd, new POE by CHANGZHOU BBETTER FILM TECHNOLOGIES CO., LTD, and encapsulation SV15926/SE-556 by Changzhou Sveck Photovoltaic New Material Co., Ltd. |
| 80055162 | 2020-10-16 | Update report 80021505 to add alternate superstrate/substrate 2.5mm glass by Shaanxi Topray Solar Co., Ltd. |
| 80055161 | 2020-10-16 | Update report 80021505 to add alternate superstrate/substrate 2.5mm glass by Shenzhen New Kibing Technology Co., Ltd. Cell manufactures update as client's declaration. |
| 80055164 | 2020-09-11 | Update report 80021505 to add alternate superstrate 2.0mm by Shaanxi Topray Solar Co., Ltd, and alternate encapsulation B601HP&B602 by |



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| | | Changzhou BBETTER FILM TECHNOLOGY CO.,LTD, add fixing tap UV-T. |
| 80055163 | 2020-09-11 | Update report 80021505 to add alternate superstrate 2.0mm by Shenzhen New Kibing Technology Co., Ltd, and alternate encapsulation ISARD2180&ISARD1180 by Crown Advanced material Co., Ltd, revise the power range of model series LR6-72HBD to 395W, supplemented the missing cell M2B6B and Jbox PV-LR03B. |
| 80052562 | 2020-08-21 | Update report to add alternate cell M6D9B and cell-connectors ϕ 0.32mm, update output wiring system configuration base on the TÜV SÜD Test IEC 62790 Report and manufacturer's statement, and enlarge the power range of model series LR4-72HIBD-xxxM and LR4-60HIBD-xxxM, add alternate lamination designs which have no clearance and creepage changed. |
| 80042753 | 2020-05-28 | Update report to add encapsulation combination F606PS/TF4, and glazed tempered glass. |
| 80040323 | 2020-04-14 | Update report to add Embossed Tempered glass or Floating Tempered Glass, and update information for output wiring system. |
| 80037990 | 2020-04-02 | Update report to add alternate cell M6B6B by Vina Cell Technology Co., Ltd, and flux SF105. |
| 80035967 | 2020-03-25 | Update report to add alternate cells interconnectors, and alternate output wiring compartments PV-LR02A, PV-LR03A, PV-LR04A. |
| 80027423 | 2020-03-25 | Update report to add alternate cells M6B9B and M6E9B, interconnectors, and alternate module sizes for models with 9bb M6 cells. |
| 80034138 | 2020-02-27 | Update report to add models LR4-72HBD-xxxM and LR4-60HBD-xxxM for new bifacial cell type M6B6B manufactured by LONGi. |
| 80023865 | 2020-02-21 | Update report to add alternate cell M2D5B. |
| 80023861 | 2020-02-19 | Update report to add new model series LR6-72HIBD-xxxM, LR6-60HIBD-xxxM, with cell M2D6B, and LR4-60HIBD-xxxM, LR4-72HIBD-xxxM, with cell M6D6B. |
| 80030667 | 2020-01-10 | Update report to add combinations of materials and new model series, as a reference of Test Report No. 704061700509-09 by TÜV SÜD Certification and Testing (China) Co., Ltd and previous CSA projects. |
| 80021505 | 2019-11-28 | Original certification |