



# Certificate of Compliance

**Certificate:** 70176031

**Master Contract:** 266494 (266494)

**Project:** 70219325

**Date Issued:** 2019-04-30

**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:** Chao (Chris) Wang  
Chao (Chris) Wang

## PRODUCTS

CLASS - C531110 - POWER SUPPLIES-Photovoltaic Modules and Panels

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

Bifacial or dual glass crystalline silicon photovoltaic modules with maximum system voltage up to 1500 V dc, New Type module fire performance, similar to Type 3, Class C fire resistance rating (for Canada). Models as below:

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 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,  
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,



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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,  
LR6-78HBD-xxxM, xxx= 390 to 420, in steps of 5W,  
with the electrical ratings at Standard Test Conditions.

Notes:

1. Rated electrical characteristics are within +/- 5% of measured values at Standard Test Conditions of 100 mW/cm<sup>2</sup> irradiance, AM 1.5 spectrums, and 25°C.
2. Rated electrical characteristics are only reflected the front side performance, regardless of the back side.
3. All modules model with suffix 'BP' after '72' or '60', are bifacial modules
4. All modules model with suffix 'PD' after '72' or '60', are modules with PERC cells.
5. All modules model with suffix 'DG' after '72' or '60', are modules with common one side mono-si cells.
6. All modules model with suffix 'HBD' after '72' or '60' or '78', are modules with bifacial mono-si half-cut cells.
7. All modules model with suffix 'OPD' after '72' or '60', are modules with bifacial mono-si shingled cells (1/6 cut).
8. All modules model with suffix 'HPD' after '72' or '60', are modules with monofacial mono-si half-cut cells.
9. All modules model with suffix 'MBD' after '72' or '60', are modules with bifacial mono-si MBB cells.
10. All modules model with suffix 'MPD' after '72' or '60', are modules with monofacial mono-si MBB cells.
11. For all bifacial modules, ratings and testing were comply with UL 1703 3<sup>rd</sup> Ed (Revised date September 13, 2017), with front side parameters only.

**APPLICABLE REQUIREMENTS**

ULC/ORD – C1703-01	-	Flat-Plate Photovoltaic Modules and Panels
UL 1703-3 <sup>rd</sup> Ed	-	Flat-Plate Photovoltaic Modules and Panels



## 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
70219325	2019-04-30	Update report 70176031 to add MBB cells M2E12B and M2B12B from LONGi for new models LR6-72MBD-xxxM, LR6-72MPD-xxxM, LR6-60MBD-xxxM and LR6-60MPD-xxxM. Addition of models LR6-72HPD-xxxM and LR6-60HPD-xxxM based on project 70210862.
70210862	2019-04-16	Update report 70176031 to add new monofacial half-cut cell M2E5B from LONGi.
70210861	2019-04-09	Update report 70176031 to add white pattern glasses manufactured by Suolate Special Glass (Jiangsu) Co., Ltd. and Changzhou Almaden Co., Ltd.
70218617	2019-03-12	Update report 70176031 to add alternative frame design.
70203537	2019-02-14	Update report 70176031 to add new models LR6-72OPD-xxxM and LR6-60OPD-xxxM with shingled cells.
70210932	2019-01-08	Update report 70176031 to add model LR6-78HBD-xxxM with 78 bifacial mono-Si half-cut cells.
70209209	2018-12-24	Update report 70176031 to add alternative bifacial cell VC6M5-P5 from Vina Cell technology Co., Ltd. and SR6SKUN from Sino-American Silicon Products Inc.
70207721	2018-12-07	Update report 70176031 to add model series LR6-72HBD-xxxM and LR6-60HBD-xxxM, with half-cut cells.
70203538	2018-11-23	Update report 70176031 to add alternate superstrate by 'China National Building Materials (Yixing) New Energy Resources Co. Ltd', and alternate polyolefin 'TF4' by 'Hangzhou First Applied Material Co., Ltd', update the electrical rating for some models, and revise the substrate information related the previous project.
70199399	2018-10-09	Update report 70176031 to add alternate frame design for height of 30mm and 25mm to 72 Pcs module. Encapsulation Cybright T22 and 8110, alternate superstrate by China CSG Holding and SUOLATE SPECIAL GLASS (JIANGSU) CO., LTD. Add manufacturers for Interconnection/End Ribbons and frame, with the declaration by LONGI, change cell type naming by the request from LONGI.
70196050	2018-09-06	Update report 70176031 to add alternate frame design for height of 30mm and 25mm to 72 Pcs module.
70181445	2018-05-04	Update report to add new models LR6-72PD-xxxM, LR6-72DG-xxxM, LR6-60BP-xxxM, LR6-60PD-xxxM, LR6-60DG-xxxM for approved cells in report 70065662, add label approved information.



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70176031      2018-03-23

CSA C/US Certification for Bifacial Photovoltaic Modules with maximum system voltage up to 1500 V dc, Model S LR6-72BP-350M, LR6-72B P-355M, LR6-72BP-360M, LR6-72BP-365M.