

**Product Carbon Footprint
Verification Opinion Statement**

This is to verify that: Changzhou Trina Solar Energy Co., Ltd.
Trina Solar (Changzhou) science and
Technology Co., Ltd.
No. 2 Trina Road
Trina PV Park
New District
Changzhou
Jiangsu
213031
China

常州天合光能有限公司
天合光能(常州)科技有限公司
中国
江苏省
常州市
天合光伏产业园
天合路 2 号
邮编: 213031

Holds statement No: PCFV 656322

Verification Opinion Statement

As a result of carrying out the verification of product life cycle greenhouse gas emission, it is the opinion of BSI with reasonable assurance that:

- The product carbon footprint with the functional unit of each Per kilowatt of TSM-PD05 PV Module with packaging (Paper bag, Paper board) is 551.73 Kg of CO₂ equivalent; Per kilowatt of TSM-PD14 PV Module with packaging (Paper bag, Paper board) is 544.24 Kg of CO₂ equivalent.
 - No material misstatements in this product life cycle greenhouse gas emission assertion (year) were revealed.
- The product life cycle GHG data quality was verified to be acceptable against the requirement of PAS 2050:2011.

This statement shall be valid for a maximum period of two years after the latest date that the product carbon footprint had been assessed on this statement. Should there be a change in the life cycle of the product whose GHG emissions are being assessed, the validity of this opinion statement will cease.



For and on behalf of BSI:

Managing Director, BSI (China), Michael Lam

Originally registered: 06/11/2016

Latest issue: 06/11/2016

Effective Date: 06/11/2016

Expiry date: 05/11/2018

Page: 1 of 3

...making excellence a habit.™



Statement No: PCFV 656322

<i>Location</i>	<i>Registered Activities</i>
Changzhou Trina Solar Energy Co., Ltd. Trina Solar (Changzhou) science and Technology Co., Ltd. No. 2 Trina Road Trina PV Park New District Changzhou Jiangsu 213031 China 常州天合光能有限公司 天合光能(常州)科技有限公司 中国 江苏省 常州市 天合光伏产业园 天合路 2 号 邮编: 213031	The product carbon footprint with the functional unit of Each Per kilowatt of TSM-PD05 PV Module with packaging (Paper bag, Paper board) is 551.73 Kg of CO ₂ equivalent; Per kilowatt of TSM-PD14 PV Module with packaging(Paper bag, Paper board) is 544.24 Kg of CO ₂ equivalent.
Yancheng Trina Solar Science & Technology Co.,Ltd 101 Wutaishan Road Yancheng Economic & Technological Development Zone Yancheng City Jiangsu China 盐城天合光能科技有限公司 中国 江苏省 盐城市 盐城经济技术开发区 五台山路 101 号	The product carbon footprint with the functional unit of Each Per kilowatt of TSM-PD05 PV Module with packaging (Paper bag, Paper board) is 551.73 Kg of CO ₂ equivalent; Per kilowatt of TSM-PD14 PV Module with packaging(Paper bag, Paper board) is 544.24 Kg of CO ₂ equivalent.

Originally registered: 06/11/2016

Latest issue: 06/11/2016

Effective Date: 06/11/2016

Expiry date: 05/11/2018

Page: 2 of 3

The British Standards Institution is independent to the above named client and has no financial interest in the above named client. This Opinion Statement has been prepared for the above named client only for the purposes of verifying its statements relating to its carbon emissions more particularly described in the scope. It was not prepared for any other purpose. The British Standards institution will not, in providing this Opinion Statement, accept or assume responsibility (legal or otherwise) or accept liability for or in connection with any other purpose for which it may be used or to any person by whom the Opinion Statement may be read. This Opinion Statement is prepared on the basis of review by The British Standards Institution of information presented to it by the above named client. The review does not extend beyond such information and is solely based on it. In performing such review, The British Standards Institution has assumed that all such information is complete and accurate. Any queries that may arise by virtue of this Opinion Statement or matters relating to it should be addressed to the above name client only.

Additional Information

The product related information is as follows:

- Product function unit: same as shown in the front page in bold.
- System boundary for this product : Cradle To Gate.
The product system boundary is consistent with its system boundary definition in PCF report for product carbon footprint, which involves the acquisition of raw material, process activities phase in the product life cycle.
- The data in this product life cycle greenhouse gas inventory report is from 01 January 2015 to 31 December 2015.
- The primary activity data include related facilities from its own processes under the operational control of the origination.
- The secondary data include relative factors from public sources and LCA software Open LCA 1.5.

Originally registered: 06/11/2016

Latest issue: 06/11/2016

Effective Date: 06/11/2016

Expiry date: 05/11/2018

Page: 3 of 3

The British Standards Institution is independent to the above named client and has no financial interest in the above named client. This Opinion Statement has been prepared for the above named client only for the purposes of verifying its statements relating to its carbon emissions more particularly described in the scope. It was not prepared for any other purpose. The British Standards institution will not, in providing this Opinion Statement, accept or assume responsibility (legal or otherwise) or accept liability for or in connection with any other purpose for which it may be used or to any person by whom the Opinion Statement may be read. This Opinion Statement is prepared on the basis of review by The British Standards Institution of information presented to it by the above named client. The review does not extend beyond such information and is solely based on it. In performing such review, The British Standards Institution has assumed that all such information is complete and accurate. Any queries that may arise by virtue of this Opinion Statement or matters relating to it should be addressed to the above name client only.