

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 665789

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-PEG5 PV Module with packaging (Paper bag, Paper board) is 515.68 Kg of CO₂ equivalent; Per kilowatt of TSM-PEG14 PV Module with packaging (Paper bag, Paper board) is 437.22 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

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Location

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Registered Activities

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.

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 CO₂ equivalent;
Per kilowatt of TSM-PD14 PV Module with packaging(Paper
bag, Paper board) is 544.24 Kg of CO₂ equivalent.

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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.

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