

BUREAU VERITAS
Certification



Product Carbon Footprint Verification Statement

The assessment of life cycle GHG emissions of
PV Modules (WST-P6)

Which is made by:
WINAICO

4F., No180, Sec. 2, Gongdao 5th Rd., East Dist., Hsinchu City 300, Taiwan R.O.C.

Bureau Veritas Certification Taiwan verified the quantity of the product carbon footprint of the above organisation's product and found to be in accordance with the requirements of the standards detailed below with reasonable level of assurance

Standards

ISO/TS 14067:2013

System boundary:	Cradle-to-Gate
Supplementary requirement:	N/A
Functional unit:	1 pc PV Modules (WST-P6) with 6" poly c-Si cells, Maximum Power: 220-260 Wp
Functional unit emissions:	359.215 kg CO ₂ -e
Assessment period:	2014.01.01 ~2014.12.31

Expiration Date: **29/Oct./2017**

To check this statement validity please call +886 2 2570 7655

Further clarifications regarding the scope of this statement may be obtained by consulting the organisation

Date: **30/Oct./2015**

Registered Number: **TWN3531719**

ISSUING OFFICE: Bureau Veritas Certification (Taiwan), 3F-B, No. 16, Nanjing E. Rd., Sec. 4, Taipei 105, Taiwan (R.O.C.)

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發證單位：台灣衛理國際品保驗證股份有限公司，台北市松山區 105 南京東路四段 16 號 3 樓 B 室





PCF Verification Statement - Annex

*: This annex is a part of Statement. No separate use allowed.

PV Modules (WST-P6) with 6" poly c-Si cells, Maximum Power: 220-260 Wp

Life Cycle Stage	Emissions(Kg CO ₂ e)	Percentage(%)
Resource Extraction	345.344	96.14
Manufacture	13.871	3.86
Total	359.215	100.00

Verified organization detail:

Company name: WINAICO

Company address: 4F., No180, Sec. 2, Gongdao 5th Rd., East Dist.,
Hsinchu City 300, Taiwan R.O.C.

Company TEL: +886 (3) 568 8699

Contact: Mr. Tony Chang

Verification date:

Stage 1 on-site: 01/10/2015 (2MD)

Stage 2 on-site: 20/10/2015 (1MD)

Verification scope:

Sinfong Factory at 3F., No.96, Sinhe Rd., Sinfong Township, Hsinchu
County 304, Taiwan R.O.C.

System boundary:

Cradle-to-Gate

Level of assurance:

Reasonable level of assurance.



Techniques and processes used:

The techniques verification team performed to test were based on document review, on-site verification, GHG emission related evidence review, data calculation and so on.

Additional information:

LCA Software: SimaPro v8.0.5 (Method: IPCC 2013 GWP 100a v1.02)

Main database: Ecoinvent v3.0

Functional unit related product P/N including: WST-xxxP6

Limitation:

N/A

Verification team:

Lead verifier: Chris Liu

Verifier: Ryan Man

Technical Reviewer: Andrew Lee

Date of TR: 30/Oct./2015
