






**BUREAU
VERITAS**

TEST REPORT IEC 61683



Photovoltaic systems – Power conditioners – Procedure for
measuring efficiency

Report reference number	PVEF171225C27
Date of issue	2018-01-22
Total number of pages	33
Testing laboratory name	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Address	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
	 
Applicant's name	Delta Electronics, Inc.
Address	39, Section 2, Huandong Road, Shanhua Township, Tainan Country, 74144, Taiwan
Test specification	
Standard	IEC 61683:1999; EN 61683:2000; DIN EN 61683:2000
Certificate	Certificate of compliance
Test report form number	IEC61683
Master TRF	Bureau Veritas Consumer Products Services Germany GmbH
Test item description	Grid-tied photovoltaic inverter
Trademark	
Model / Type	H2.5_210, H2.5_211, H3_210, H3_211, H3A_220, H3A_221, H4A_220, H4A_221, H5A_220, H5A_221

Ratings	H2.5_210 H2.5_211	H3_210 H3_211	H3A_220 H3A_221
Input Voltage:	30~500 Vdc, 500 Vdc Max	30-550 Vdc, 600 Vdc Max	30-550 Vdc, 600 Vdc Max
Max. Input current:	11 A (1 MPP tracker)	11 A (1 MPP tracker)	11A dc for each / 18A dc for total (2 MPP tracker)
Output Voltage:	230 Vac 50 Hz		
Nom. Output current:	10.9 A	13 A	13 A
Output power:	2500VA	3000VA	3000VA

Ratings	H4A_220 / H4A_221	H5A_220 / H5A_221
Input Voltage:	30-550 Vdc, 600 Vdc Max	30-550 Vdc, 600 Vdc Max
Max. Input current:	11A dc for each/ 18A dc for total (2 MPP tracker)	11A dc for each/ 22A dc for total (2 MPP tracker)
Output Voltage:	230 Vac 50 Hz	230 Vac 50 Hz
Nom. Output current:	17,4 A	22 A
Output power:	4000VA	5000VA



Testing Location.....:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Address	No. 19, Hwa Ya 2nd Rd, Kueishan Taoyuan, Taiwan.
Tested by (name and signature)	Issac Chen 
Approved by (name and signature)	Edward Chiueh 
Manufacturer's name	Delta Electronics (Jiang Su), Ltd.
Factory address.....:	No. 1688, Jiangxing East Rd., Wujiang Economic Development Zone, Wujiang City, Jiang Su Province, 215200, P.R. China

Document History			
Date	Internal reference	Modification / Change / Status	Revision
2018-01-22	Issac Chen	Issuing new report to: 1) Include previous report PVEF170627C06 for models H2.5_210, H2.5_211, H3_210, H3_211, H3A_220, H3A_221, H4A_220 and H4A_221 2) Add new models H5A_220 and H5A_221 with new test data	0
Supplementary information:			