






# TEST REPORT

## DIN V VDE V 0126-1-1/A1

Automatic disconnecting facility between the grid-connected generator and the electric power grid



<b>Report reference number</b> .....	<b>PVGE171031C20</b>
<b>Date of issue</b> .....	2018-01-04
<b>Total number of pages</b> .....	290
<b>Testing laboratory name</b> .....	<b>Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch</b>
<b>Address</b> .....	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
	 
<b>Applicant's name</b> .....	<b>Delta Electronics, Inc.</b>
<b>Address</b> .....	39, Sec.2, Huandong Road, Shanhua Dist., Tainan City 74144, Taiwan
<b>Test specification</b>	
<b>Standard</b> .....	DIN V VDE V 0126-1-1:2006-02 DIN V VDE V 0126-1-1/A1:2012-02
<b>Certificate</b> .....	<b>Certificate of compliance</b>
<b>Test report form number</b> .....	VDE0126-1-1
<b>Master TRF</b> .....	Bureau Veritas Consumer Products Services Germany GmbH
<b>Test item description</b> .....	<b>Grid-tied photovoltaic inverter</b>
<b>Trademark</b> .....	
<b>Model / Type</b> .....	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



<b>Testing Location</b> .....	<b>Bureau Veritas Consumer Product Services Limited, Taoyuan Branch</b>
<b>Address</b> .....	No.19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City, Taiwan
<b>Tested by</b> (name and signature) .....	Issac Chen 
<b>Approved by</b> (name and signature) .....	Ted Wu 
<b>Manufacturer's name</b> .....	<b>Delta Electronics (Jiang Su), Ltd.</b>
<b>Factory address</b> .....	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
2018-01-04	Issac Chen	Issuing new report to: 1) Combine previous reports PVDE170424C15 for models H4A_220, H4A_221 and PVDE161102C21 for models H2.5_210, H2.5_211, H3_210, H3_211, H3A_220, H3A_221 2) Add new models H5A_220 and H5A_221 with new test data	0
Supplementary information:			