

Prüfbericht - Nr.: 10035577 002 <i>Test Report No.:</i>		Seite 1 von 9 <i>Page 1 of 9</i>
Auftraggeber: <i>Client:</i>	Phoenixtec Power Co., Ltd. No.93, Shin-Hu 3rd Rd., Neihu, Taipei 114, Taiwan.	
Gegenstand der Prüfung: <i>Test item:</i>	PV Inverter	
Bezeichnung: <i>Identification:</i>	SOLEIL 3F-TL15K (SIEL) SOLEIL 3F-TL20K (SIEL)	Serien-Nr.: N/A <i>Serial No.:</i>
Wareneingangs-Nr.: <i>Receipt No.:</i>	N/A	Eingangsdatum: N/A <i>Date of receipt:</i>
Zustand des Prüfgegenstandes bei Anlieferung: Condition of test item at delivery:	N/A	
Prüfort: <i>Testing location:</i>	TÜV Rheinland Taiwan Ltd., Taichung Laboratory No. 9, Ln. 36, Sec. 3, Minsheng Rd., Daya District, Taichung City 428, Taiwan	
Prüfgrundlage: <i>Test specification:</i>	DIN V VDE V 0126-1-1:2006 DIN V VDE V 0126-1-1:2006/A1	
Prüfergebnis: <i>Test Result:</i>	Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n). <i>The test item passed the test specification(s).</i>	
Prüflaboratorium: <i>Testing Laboratory:</i>	TÜV Rheinland Taiwan Ltd.	
geprüft/ tested by:	kontrolliert/ reviewed by:	
Oct. 16, 2012 Best Chen / Senior Manager	Oct. 16, 2012 David Lee / General Manager	
Datum <i>Date</i>	Name/Stellung <i>Name/Position</i>	Unterschrift <i>Signature</i>
Sonstiges/ Other Aspects:	<ul style="list-style-type: none"> ▪ Application letter dated Aug. 20, 2012, project order: 113160483 which issue the TÜV Rheinland Test Report acc. to standards DIN V VDE V 0126-1-1:2006 and DIN V VDE V 0126-1-1:2006/A1. 	
Abkürzungen:	P(ass) = entspricht Prüfgrundlage F(ail) = entspricht nicht Prüfgrundlage N/A = nicht anwendbar N/T = nicht getestet	Abbreviations: P(ass) = passed F(ail) = failed N/A = not applicable N/T = not tested
<p>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report relates to the a. m. test item. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.</i></p>		

Automatic disconnection device between a generator and the public low-voltage grid	
Report reference No.	: 10035577 002
Tested by (printed name and signature)	: See cover page
Approved by (printed name and signature)	: See cover page
Date of issue	: See cover page
Testing Laboratory name	: TÜV Rheinland Taiwan Ltd.
Address	: 11F., No.758, Sec. 4, Bade Rd., Songshan Dist., Taipei City 105, Taiwan.
Testing location	: CBTL <input type="checkbox"/> CCATL <input type="checkbox"/> SMT <input type="checkbox"/> TMP <input type="checkbox"/>
Address	: TUV Rheinland Taiwan Ltd., Taichung Laboratory. No. 9, Ln. 36, Sec. 3, Minsheng Rd., Daya District, Taichung City 428, Taiwan.
Applicant's Name	: Phoenixtec Power Co., Ltd.
Address	: No.93, Shin-Hu 3rd Rd., Neihu, Taipei 114, Taiwan.
Test specification	
Standard	: DIN V VDE V 0126-1-1:2006 DIN V VDE V 0126-1-1:2006/A1
Test procedure	: Test Report
Non-standard test method	: N/A
Test Report Form	VDE 0126_1_1A
TRF originator.	: TUV Rheinland Taiwan Ltd.
Master TRF	Dated 2010-01
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This publication may be reproduced in whole or in part for non-commercial purposes as long as the IECEE is acknowledged as copyright owner and source of the material. IECEE takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.	
Test item description	: PV INVERTER
Trademark	: SIEL
Model and/or type reference	: 1) SOLEIL 3F-TL15K 2) SOLEIL 3F-TL20K
Rating(s)	: DC Rated input voltage: 720Vdc, DC Max. Input current/Tracker: (2 trackers provided) 20A (for SOLEIL 3F-TL15K), 23A (for SOLEIL 3F-TL20K), DC Max. input voltage: 1000Vdc, DC Max. PV Isc: 30A (for SOLEIL 3F-TL15K), 34.5A (for SOLEIL 3F-TL20K). AC Rated output: 1) 230Vac, 50Hz, 21.7A, 15000W, 3N+PE, PF=0.99 max, 2) 230Vac, 50Hz, 29.0A, 20000W, 3N+PE, PF=0.99 max, Ingress protection: IP65 for enclosure and IP55 for Fan.

Test items particulars:

Equipment mobility	:	Permanent connection
Class of equipment	:	Class I
Mass of equipment (kg)	:	54 (for 15000W) 60 (for 20000W)
Protection against ingress of water	:	N/A, according to DIN VDE V 0126-1-1 and DIN VDE V 0126-1-1/A1

Test case verdicts

Test case does not apply to the test object :	N/A
Test item does meet the requirement :	P(ass)
Test item does not meet the requirement :	F(ail)

Testing

Date of receipt of test item :	N/A
Date(s) of performance of test :	N/A

General product information:

Factory information:

Same as report no. 10035577 001.

Description of change(s):

1. To add two new models SOLEIL 3F-TL15K and SOLEIL 3F-TL20K.

For the above described change(s) the following was considered to be necessary:

Change	Testing	Comments
1.	<ul style="list-style-type: none"> • Label check 	These models are similar to original models SV 15000s and SV 20000s, except for prints on surface of top enclosure, enclosure shape, model name and trade mark. No testing considered to be necessary. IP65 is not considered to do the test again due to the protection construction of enclosure is identical to the original one. Label see page 5 and photos see pages 6-9.

Copy of marking plate:

SIEL
PV INVERTER
MODEL NO.: SOLEIL 3F-TL15K

DC Max. input voltage	1000V
DC Max. PV Isc / tracker	30A
DC Working voltage range	250~1000V
DC MPPT voltage range	400~850V
DC Rated input voltage	720V
DC Max. Input current / tracker	20A
AC Rated output voltage	3N+PE 230V
AC Rated output frequency	50Hz
AC Nominal output power	15000W
AC Nominal output current	21.7A
Protective class	Class I
Degree of protection	IP65
Power factor (Rated power)	0.99
Power factor range	±0.8 on demand





Made in Taiwan

SIEL
PV INVERTER
MODEL NO.: SOLEIL 3F-TL20K

DC Max. input voltage	1000V
DC Max. PV Isc / tracker	34.5A
DC Working voltage range	250~1000V
DC MPPT voltage range	450~850V
DC Rated input voltage	720V
DC Max. Input current / tracker	23A
AC Rated output voltage	3N+PE 230V
AC Rated output frequency	50Hz
AC Nominal output power	20000W
AC Nominal output current	29A
Protective class	Class I
Degree of protection	IP65
Power factor (Rated power)	0.99
Power factor range	±0.8 on demand

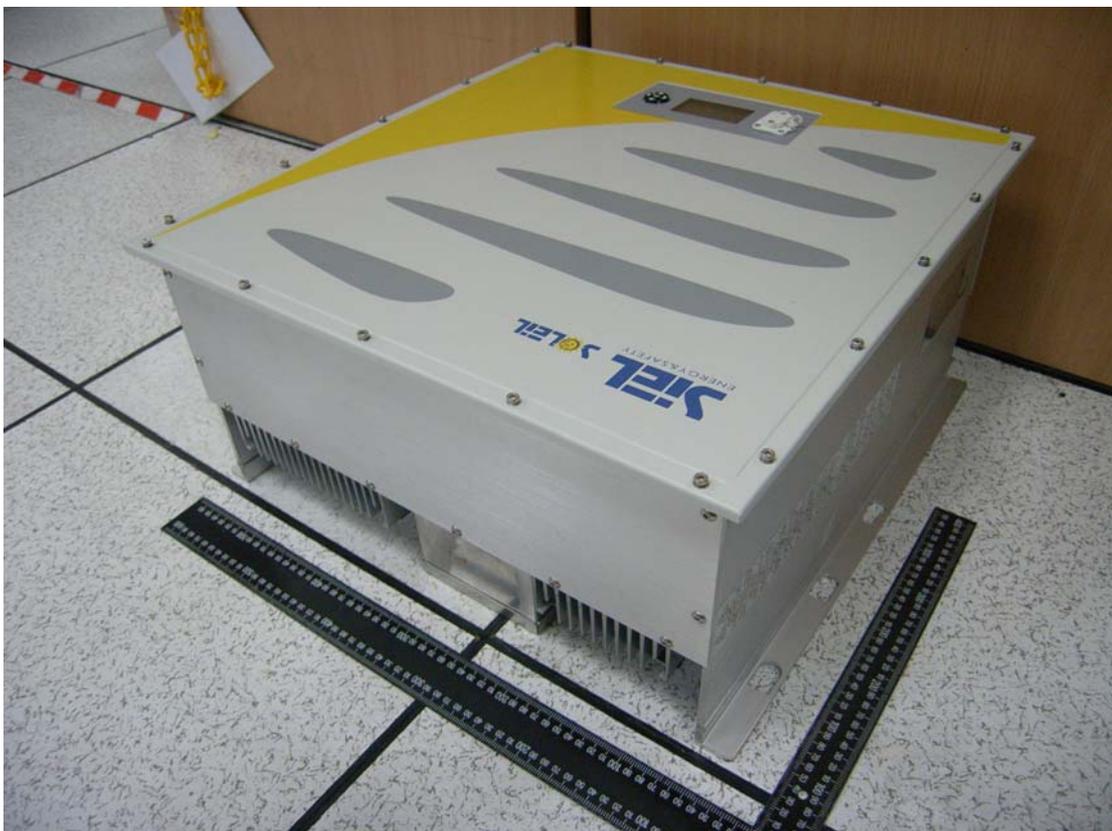




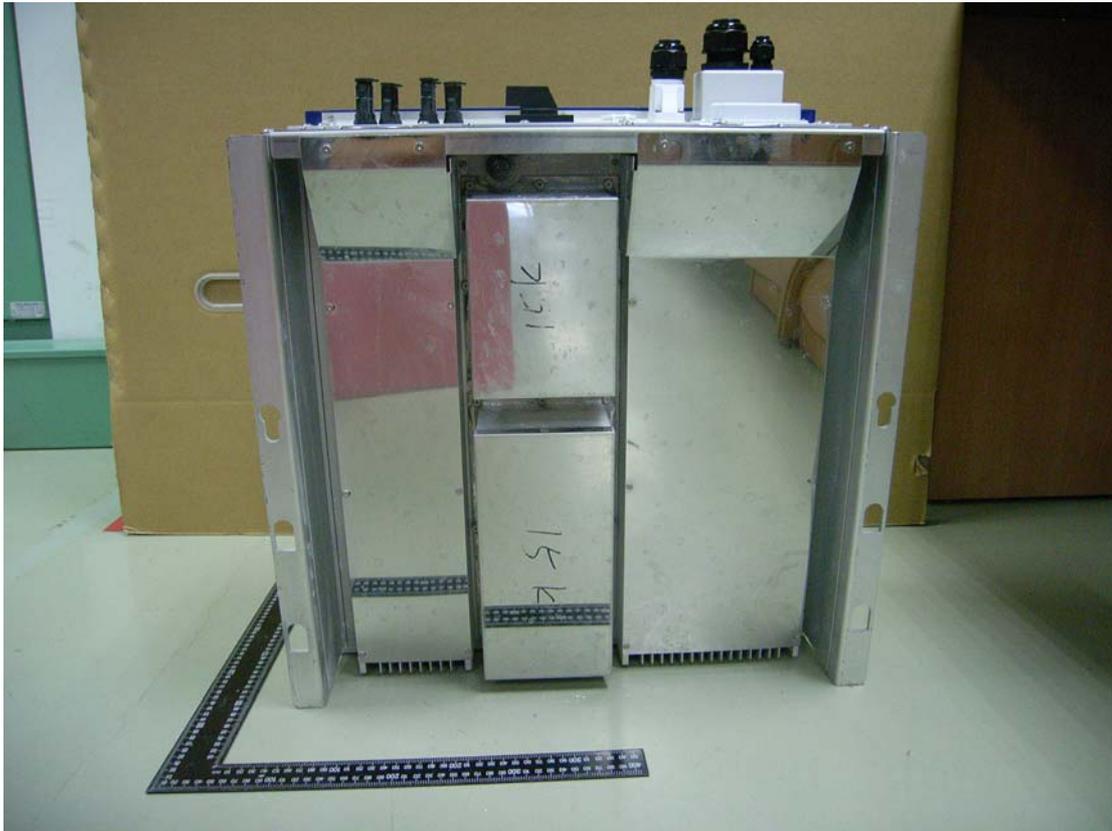
Made in Taiwan

Product Photos:

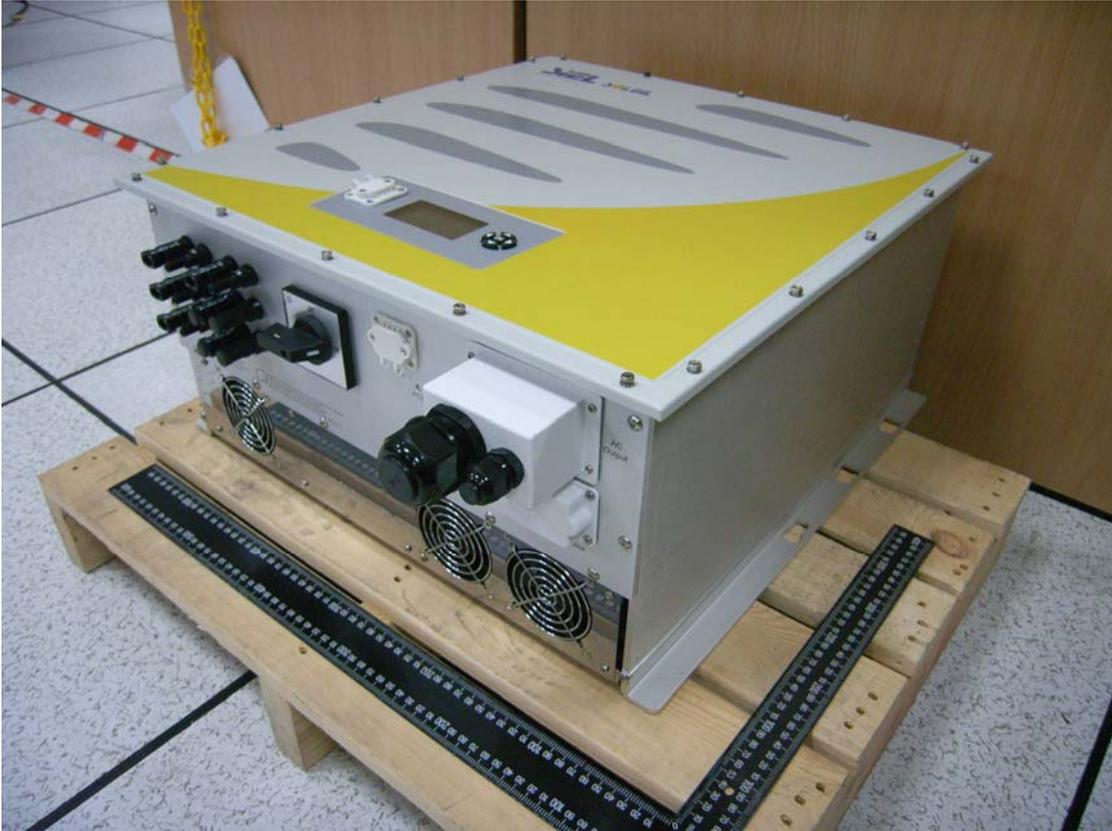
For model SOLEIL 3F-TL15K



For model SOLEIL 3F-TL15K



For model SOLEIL 3F-TL20K



For model SOLEIL 3F-TL20K



End of Test Report