

Produkte
Products



Prüfbericht - Nr.: 10032571 003 <i>Test Report No.:</i>			Seite 1 von 11 <i>Page 1 of 11</i>														
Auftraggeber: <i>Client:</i>			Phoenixtec Power Co., Ltd. No.93, Shin-Hu 3rd Rd., Neihu, Taipei 114, Taiwan.														
Gegenstand der Prüfung: PV Inverter <i>Test item:</i>																	
Bezeichnung: <i>Identification:</i>		SV 3000s and SV 4000s (Phoenixtec) CPS SCE3KTL-O (CHINT POWER) CPS SCE4KTL-O (CHINT POWER) SOLEIL 1F-TL3K (SIEL) SOLEIL 1F-TL4K (SIEL)		Serien-Nr.: Engineer sample <i>Serial No.:</i>													
Wareneingangs-Nr.: <i>Receipt No.:</i>		TCH 31134		Eingangsdatum: Jan., 2012 <i>Date of receipt:</i>													
Zustand des Prüfgegenstandes bei Anlieferung: N/A <i>Condition of test item at delivery:</i>																	
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.															
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>geprüft/ tested by:</p> <div style="text-align: center;"> Oct. 1, 2012 Best Chen / Senior Manager </div> <table border="0" style="width: 100%; font-size: small;"> <tr> <td style="width: 20%;">Datum</td> <td style="width: 30%;">Name/Stellung</td> <td style="width: 50%;">Unterschrift</td> </tr> <tr> <td>Date</td> <td>Name/Position</td> <td>Signature</td> </tr> </table> </div> <div style="width: 45%;"> <p>kontrolliert/ reviewed by:</p> <div style="text-align: center;"> Oct. 2, 2012 David Lee / General Manager </div> <table border="0" style="width: 100%; font-size: small;"> <tr> <td style="width: 20%;">Datum</td> <td style="width: 30%;">Name/Stellung</td> <td style="width: 50%;">Unterschrift</td> </tr> <tr> <td>Date</td> <td>Name/Position</td> <td>Signature</td> </tr> </table> </div> </div>						Datum	Name/Stellung	Unterschrift	Date	Name/Position	Signature	Datum	Name/Stellung	Unterschrift	Date	Name/Position	Signature
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Date	Name/Position	Signature															
Sonstiges/ Other Aspects: <ul style="list-style-type: none"> ▪ Application letter dated Aug. 20, 2012, project order: 113160484 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. 																	
<table border="0" style="width: 100%; font-size: x-small;"> <tr> <td style="width: 50%;"> Abkürzungen: P(ass) = entspricht Prüfgrundlage F(ail) = entspricht nicht Prüfgrundlage N/A = nicht anwendbar N/T = nicht getestet </td> <td style="width: 50%;"> Abbreviations: P(ass) = passed F(ail) = failed N/A = not applicable N/T = not tested </td> </tr> </table>						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										
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<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.</p> <p><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.	: 10032571 003
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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Test item description	: PV INVERTER
Trademark	: 1) Phoenixtec, 2) CHINT POWER 3) SIEL
Model and/or type reference	: 1) SV 3000s and SV 4000s 2) CPS SCE3KTL-O and CPS SCE4KTL-O 3) SOLEIL 1F-TL3K and SOLEIL 1F-TL4K

Rating(s)

: DC Rated input voltage: 360Vdc,
DC Max. Input current/Tracker:
17.5A (for SV 3000s, CPS SCE3KTL-O and SOLEIL 1F-TL3K)
20A (for SV 4000s, CPS SCE4KTL-O and SOLEIL 1F-TL4K),
DC Max. input voltage: 600Vdc,
DC Max. PV Isc:
20A (for SV 3000s, CPS SCE3KTL-O and SOLEIL 1F-TL3K),
25A (for SV 4000s, CPS SCE4KTL-O and SOLEIL 1F-TL4K).

AC Rated output:
for SV 3000s, CPS SCE3KTL-O and SOLEIL 1F-TL3K
230Vac, 50Hz, 13A, 3000W, 1 ϕ , PF=0.99 **max.**,
for SV 4000s, CPS SCE4KTL-O and SOLEIL 1F-TL4K
230Vac, 50Hz, 17.4A, 4000W, 1 ϕ , PF=0.99 **max.**,
Ingress protection: IP65.

Test items particulars:

Equipment mobility	:	Permanent connection
Class of equipment	:	Class I
Mass of equipment (kg)	:	15 (for 3000W), 16.5 (for 4000W)
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 :	Aug., 2012
Date(s) of performance of test :	Aug., 2012

General product information:

Factory information:

Same as report no. 10032571 001.

Description of change(s):

1. Evaluated all models according to standard DIN VDE V 0126-1-1.
2. Correction of typing error for rating.
3. To add two new models SOLEIL 1F-TL3K and SOLEIL 1F-TL4K.

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

Change	Testing	Comments
1.	<ul style="list-style-type: none"> Over frequency test 	Both standards are same except for over frequency test. See appended table for testing result.
2.	<ul style="list-style-type: none"> N/A 	No testing considered to be necessary. See page 3 with bold type word.
3.	<ul style="list-style-type: none"> Label check 	These models are similar to original models SV 3000s and SV 4000s, 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. Labels see page 6 and photos see pages 8-11.

Copy of marking plate:

SIEL

PV Inverter

MODEL NO.: SOLEIL 1F-TL3K

DC Max. input voltage 600V

DC Max. PV Isc 20A

DC Working voltage range 100~500V

DC MPPT voltage range 200~500V

DC Rated Input voltage 360V

DC Max. Input current / Tracker 17.5A

AC Rated output voltage 230V

AC Rated output frequency 50Hz

AC Nominal output power 3000W

AC Nominal output current 13A

Protective class Class I

Degree of protection IP65

Power Factor (Rated power) 0.99

Power factor range ± 0.9 on demand



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SIEL

PV Inverter

MODEL NO.: SOLEIL 1F-TL4K

DC Max. input voltage 600V

DC Max. PV Isc 25A

DC Working voltage range 100~500V

DC MPPT voltage range 225~500V

DC Rated Input voltage 360V

DC Max. Input current / Tracker 20A

AC Rated output voltage 230V

AC Rated output frequency 50Hz

AC Nominal output power 4000W

AC Nominal output current 17.4A

Protective class Class I

Degree of protection IP65

Power Factor (Rated power) 0.99

Power factor range ± 0.9 on demand

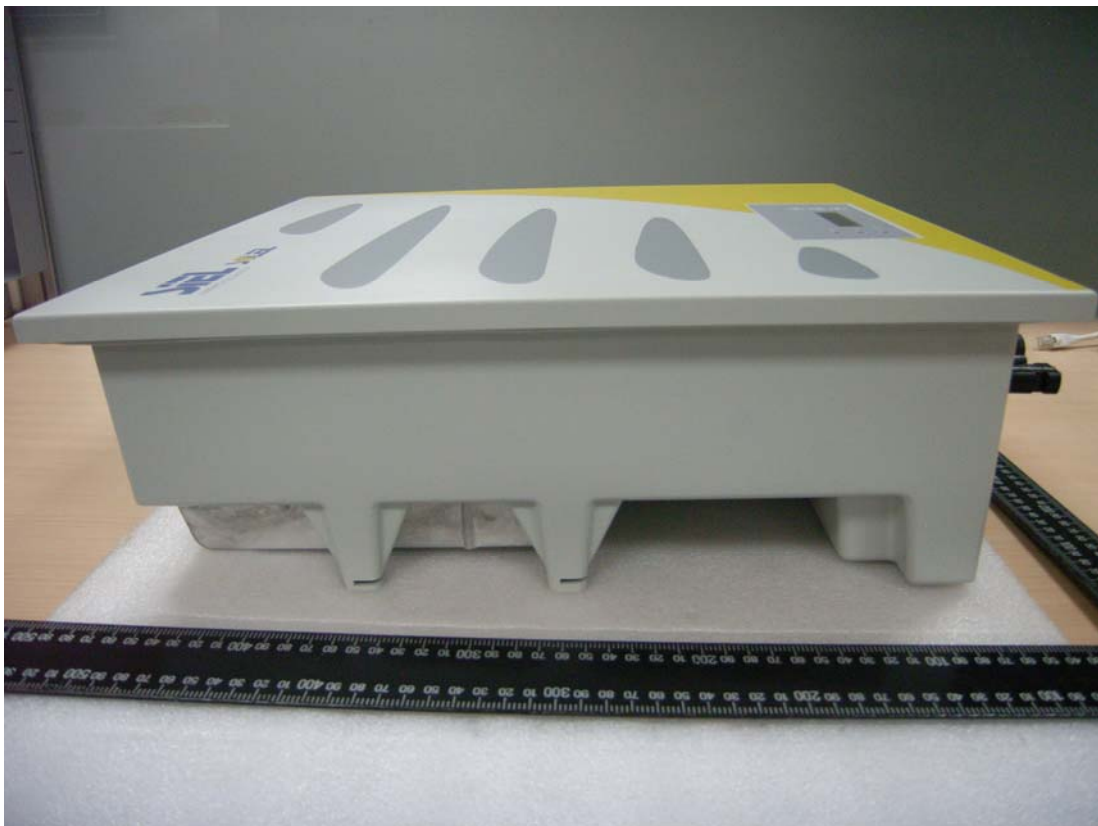
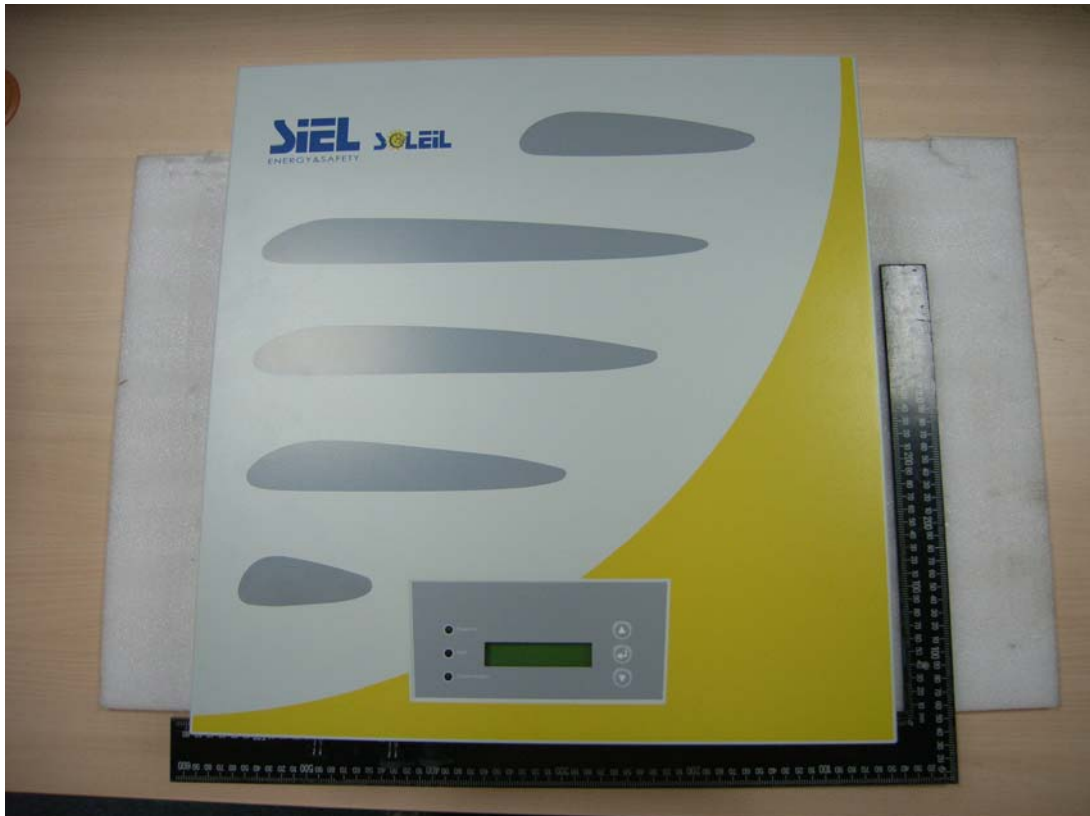


Made In Taiwan

4.3 & 6.3		TABLE: Frequency Monitoring Measurements of time values according the accuracy of the signal.			P
		Operating condition: 100% real power of EUT	Power ac= 4000 W, Uac= 230 V, Udc= 360 V		—
Frequency change rate with 1 Hz/s		Measured Threshold time	Limit	Turn on after	remark
	50 Hz – 50.2 Hz	183 ms	200ms max	66 sec	-
Note:					

Product Photos:









End of Test Report