

Konformitätsnachweis Eigenerzeugungseinheit

Berichtsnummer: 180314093GZU-001

Basierend auf den durchgeführten Prüfungen wurde festgestellt, dass das Muster / die Muster der nachfolgenden Produkte die Anforderungen der referenzierten Spezifikation zu dem Zeitpunkt der Durchführung der Prüfungen erfüllt haben.

Name & Adresse des
Antragstellers:

SHENZHEN GROWATT NEW ENERGY TECHNOLOGY CO., LTD
1st East & 3rd Floor of Building A, Building B, Jiayu Industrial Park, #28,
GuangHui Road, LongTeng Community, Shiyan Street, Baoan District,
Shenzhen, P.R.China

Produktbeschreibung:

Netzgebundener Photovoltaikwechselrichter

Bemessungsdaten &
grundlegende Eigenschaften:
Modelle:

Siehe Anhang zum Konformitätsnachweis Eigenerzeugungseinheit

Growatt 17000TL3-S, Growatt 17000TL3-SE, Growatt 20000TL3-S,
Growatt 20000TL3-SE, Growatt 25000TL3-S, Growatt 25000TL3-SE,
Growatt 30000TL3-S, Growatt 30000TL3-SE, Growatt 33000TL3-S,
Growatt 33000TL3-SE, Growatt 40000TL3-NS, Growatt 40000TL3-NSE,
Growatt 50000TL3-S, Growatt 50000TL3-SE

Entsprechende Normen:

VDE-AR-N 4105:2011 in Verbindung mit E DIN V VDE V 0124-100:2013-10
Erzeugungseinheiten zum Anschluss an das Niederspannungsnetz

Den Nachweis ausstellendes
Büro:

Same as Intertek Legal Entity

Datum der Prüfungen:

2018-3-14 bis 2018-5-20

Prüfberichtsnummer(n):

160816053GZU-001 and Revision 1:31 May., 2018

Signature


Name: Grady Ye
Position: Manager
Issuing Office: Intertek Legal Entity: Intertek
Testing Services Shenzhen Ltd.
Guangzhou Branch
Date: 01 Jun 2018



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Anhang zum Konformitätsnachweis Eigenerzeugungseinheit

Anhang zum Konformitätsnachweis Eigenerzeugungseinheit mit Nachweis-/Bericht-Nummer(n): 160816053GZU-001 and Revision 1: 31 May., 2018. Das ausstellende Büro ist Intertek Legal Entity as above.

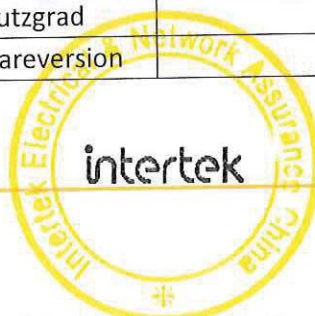
Bemessungs-
daten &
grundsätzliche
Eigenschaften:

Modell	Growatt 30000TL3-S, Growatt 30000TL3-SE	Growatt 33000TL3-S, Growatt 33000TL3-SE	Growatt 40000TL3-NS, Growatt 40000TL3-NSE	Growatt 50000TL3-S, Growatt 50000TL3-SE
Max. DC- Eingangs- spannung	1000Vdc			
DC-Eingangs spannungsbereich	200-1000Vdc			
MPPT Eingangs	450-800Vdc		540-800Vdc	645-850Vdc
Max. Eingangsstrom	34A/34A	38A/38A		
PV Isc	64A/64A			
AC Ausgangsleistung	33.3KVA	36.6KVA	44.4KVA	53.3KVA
Max-AC- Ausgangsstrom	3*48A	3*54A	3*64A	3*64A
Nenn-AC- Ausgangsspannung	3W/N/PE 230Vac/400Vac			3W/PE, 480Vac
Nennfrequenz	50Hz			
Leistungsfaktor	0.9 Leading to 0.9 Lagging			
Betriebs- Umgebungstempe- ratur	-25°C - +60°C			
IP-Schutzgrad	IP65			
Firmwareversion	TH 1.0			



Signature

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Position: Manager
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Services Shenzhen Ltd. Guangzhou
Branch
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Anhang zum Konformitätsnachweis Eigenerzeugungseinheit

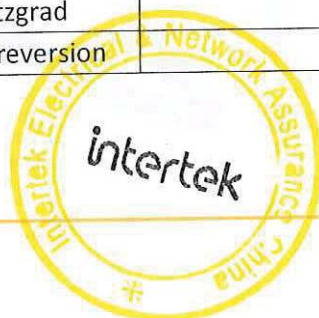
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Ratings and principal characteristics

Modell	Growatt 17000TL3-S, Growatt 17000TL3-SE	Growatt 20000TL3-S, Growatt 20000TL3-SE	Growatt 25000TL3-S, Growatt 25000TL3-SE
Max. DC-Eingangsspannung	1000Vdc		
DC-Eingangsspannungsbereich	200-1000Vdc		
MPPT Eingangsspannung	400-800Vdc		
Max. Eingangsstrom	37.5/37.5A		
PV Isc	45A/45A		
AC Ausgangsleistung	18.8KVA	22.2KVA	27.7KVA
Nenn-AC-Ausgangsspannung	3W/N/PE 230Vac/400Vac		
Max-AC-Ausgangsstrom:	3x27.5 A	3x32.2	3x40.3
Nennfrequenz	50Hz		
Leistungsfaktor	0.9 Leading to 0.9 Lagging		
Betriebs-Umgebungstemperatur	-25°C - +60°C		
IP-Schutzgrad	IP65		
Firmwareversion	TH 1.0		

Signature


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Position: Manager
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Date: 01 Jun 2018



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Anhang zum Konformitätsnachweis Eigenerzeugungseinheit

Anhang zum Konformitätsnachweis Eigenerzeugungseinheit mit Nachweis-/Bericht-Nummer(n): 160816053GZU-001 and Revision 1: 31 May., 2018. Das ausstellende Büro ist Intertek Legal Entity as above.

F.3 Anforderungen an den Prüfbericht für Erzeugungseinheiten				
Auszug aus dem Prüfbericht zum Einheiten-Zertifikat: 160816053GZU-001				
Bestimmung der elektrischen Eigenschaften				
Beschreibung der Erzeugungseinheit				
Hersteller / Antragsteller:	SHENZHEN GROWATT NEW ENERGY TECHNOLOGY CO., LTD 1st East & 3rd Floor of Building A, Building B, Jiayu Industrial Park, #28, GuangHui Road, LongTeng Community, Shiyan Street, Baoan District, Shenzhen, P.R.China			
Typ Erzeugungseinheit:	Netzgebundener Photovoltaikwechselrichter			
Bemessungswerte:	Growatt 30000TL3-S, Growatt 30000TL3-SE	Growatt 33000TL3-S, Growatt 33000TL3-SE	Growatt 40000TL3-NS, Growatt 40000TL3-NSE	Growatt 50000TL3-S, Growatt 50000TL3-SE
Max. Wirkleistung P _{Emax} :	30000W	33000W	40000W	50000W
Max. Scheinleistung S _{Emax} :	33300VA	36600VA	44400VA	53300VA
Bemessungsspannung:	3W/N/PE, 230/400Vac			3W/PE, 480Vac
Firmware Version:	TH 1.0			
Messzeitraum:	2018-3-14 bis 2018-5-20			
Beschreibung des Aufbaus der Erzeugungseinheit:				
Die Erzeugungseinheiten verfügen über einen PV- und netzseitigen EMV-Filter. Die Erzeugungseinheiten besitzen keine galvanische Trennung zwischen DC-Eingang und AC-Ausgang. Der Ausgang wird einfehlersicher durch die Wechselrichterbrücke und zwei Relais in Reihe abgeschaltet. Dies erlaubt eine sichere Trennung der Erzeugungseinheit vom Netz auch im Fehlerfall.				

Grady Ye



Signature

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Position: Manager
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Date: 01 Jun 2018

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F.3 Anforderungen an den Prüfbericht für Erzeugungseinheiten

Auszug aus dem Prüfbericht zum Einheiten-Zertifikat: 160816053GZU-001, Revision 1: 31 May 2018

Bestimmung der elektrischen Eigenschaften

Beschreibung der Erzeugungseinheit

Hersteller / Antragsteller:	SHENZHEN GROWATT NEW ENERGY TECHNOLOGY CO., LTD 1st East & 3rd Floor of Building A, Building B, Jiayu Industrial Park, #28, GuangHui Road, LongTeng Community, Shiyan Street, Baoan District, Shenzhen, P.R.China		
Typ Erzeugungseinheit:	Netzgebundener Photovoltaikwechselrichter		
Bemessungswerte:	Growatt 17000TL3-S, Growatt 17000TL3-SE	Growatt 20000TL3-S, Growatt 20000TL3-SE	Growatt 25000TL3-S, Growatt 25000TL3-SE
Max. Wirkleistung P _E max:	17000W	20000W	25000W
Max. Scheinleistung S _E max:	18800VA	22200VA	27700VA
Bemessungsspannung:	3W/N/PE, 230/400Vac		
Firmware Version:	TH 1.0		
Messzeitraum:	2016-8-16 bis 2016-9-14		

Beschreibung des Aufbaus der Erzeugungseinheit:

Die Erzeugungseinheiten verfügen über einen PV- und netzseitigen EMV-Filter. Die Erzeugungseinheiten besitzen keine galvanische Trennung zwischen DC-Eingang und AC-Ausgang. Der Ausgang wird einfehlersicher durch die Wechselrichterbrücke und zwei Relais in Reihe abgeschaltet. Dies erlaubt eine sichere Trennung der Erzeugungseinheit vom Netz auch im Fehlerfall.




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