



Product Service

# Compliance Document

No. D 13 10 85510 009

**Holder of Certificate:** **Renesola Zhejiang System Integration Ltd**

No. 98, Yiqun Road, Yaozhuang Industrial Park

314117 Jiashan, Zhejiang

PEOPLE'S REPUBLIC OF CHINA

**Product:**

**Converter  
(PV grid-connected inverter)**

This Compliance document confirms the compliance with the listed standards on a voluntary basis. It refers only to the sample submitted to TÜV SÜD Product Service GmbH and does not certify the quality or safety of the serial products. See also notes overleaf.

**Test report no.:**

64290130135801A



*Frank Zhu*

**Date,** 2013-10-16

( Frank Zhu )

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**Model(s): Replus-250**

**Parameters:**

V<sub>max</sub> PV (V): 60Vd.c.  
I<sub>sc</sub> PV (A): 14.0Ad.c.  
PV input operating voltage range: 22-55Vd.c.  
Maximum operating PV input current: 12.0 Ad.c.  
Nominal a.c. output voltage: 230Va.c.  
Nominal a.c. output frequency: 50Hz  
Nominal active output power (P<sub>n</sub>): 220W  
Nominal a.c. output current: 1.0Aa.c.  
Maximum continuous a.c. output current: 1.1Aa.c.  
Maximum active power of the power generation unit (PE<sub>max</sub>): 227W  
Maximum apparent power of a power generation unit (SE<sub>max</sub>): 228VA  
Power factor (cos phi): Fixed, >0.99 (full load)  
Protection class: I  
IP code: IP66/IP67  
Overvoltage category (OVC): II (PV), III (Grid)  
Pollution degree: PD3 (External)  
Remark: See page 3 for license condition

**Tested according to:** DIN V VDE V 0126-1-1:2006  
(with national deviation of Spain:  
Real Decreto 1699/2011)

*Frank Jhu*



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License condition:

1. The grid connection protection system is evaluated according to DIN V VDE V 0126-1-1:2006, specially with consideration of "Real Decreto 1699/2011 de 18 de noviembre, por el que se regula la conexión a red de instalaciones de producción de energía eléctrica de pequeña potencia.", for regulating the network connection facilities electricity production of small power. The setting of the integrated protection system of this regulation (Article 14, Protections) is as follows:
  - Over voltage (stage 1): 253V;
  - Over voltage (stage 2): 264.5V;
  - Under voltage: 195.5V;
  - Over frequency: 50.5Hz;
  - Under frequency: 48Hz.
2. The DC current injected into the distribution network by the inverter is less than 0.5% of nominal AC output, measured as indicated by the Notice of interpretation of equivalence of the electrical isolation - "Nota de interpretación técnica de la equivalencia de la separación galvánica de la conexión de instalaciones generadoras en baja tensión. Revision: R01"

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