



Test Report issued under the responsibility of:



**TEST REPORT
IEC 61683**

**Photovoltaic systems – Power conditioners –
Procedure for measuring efficiency**

Report Number: 220400302TPE-001

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Testing Laboratory: Intertek Testing Services Taiwan Ltd.

Address.....: 5F, No. 423, Ruiguang Rd., Neihu District, Taipei 114, Taiwan

Tested by (name + signature): Hans Yang

Project handler

Approved by (name + signature)

Ted Wu

Reviewer

Applicant's name.....: **Shenzhen Senergy Technology Co., Ltd.**

Address: Room 405, Building A, Co-talent Creative Park, No.2, LiuXianRoad, Block 68, Xin an Street, Bao' an District, ShenZhen, China

Test specification:

Standard: IEC 61683:1999

Test procedure: General report

Non-standard test method.....: N/A

Test Report Form No......: IEC61683B

Test Report Form(s) Originator.....: TÜV SÜD Product Service GmbH

Master TRF: Dated 2017-11-03

Test item description: ESS Inverter

Trade Mark: Senergy

Manufacturer: Same as applicant

Model/Type reference: See page 2

Ratings: See page 2

Model/Type reference	SE 5KHB-60	SE 5KHB-120	SE 6KHB-60	SE 6KHB-120
Ratings:				
PV input				
PV Max.Input voltage [V]	550			
MPP input voltage range [V]	90-520			
MPPT voltage range @full load[V]....	230-480			
Nominal input voltage range [V]	360			
Max. input DC current [A]	15/15			
AC output				
Nominal output AC voltage [V]	220/230			
AC output frequency [Hz]	50/60			
Rated output AC current [A]	25,0	25,0	27,5	27,5
Nominal active output power [kW] ...	5,0	5,0	6,0	6,0
Max. apparent output power [kVA] ..	5,5	5,5	6,0	6,0
AC input				
Nominal input AC voltage [V]	220/230			
AC input frequency [Hz]	50/60			
Max. input AC current [A]	28,6	41,0	28,6	41,0
Battery charge/discharge				
Battery voltage [V]	48			
Battery voltage range[V]	48-60			
Battery charge/discharge current [A]:	60	120	60	120
Software version	60101			
Note:				
All test items are tested at 230V, 50Hz.				