


# Test Verification of Conformity

Verification Number: 200703283SHA-V1

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it <them>.

Once compliance with all product relevant  mark directives are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

Applicant Name & Address:	Solar Solutions GmbH Brückenstrasse 94, D-60594, Frankfurt am Main, Germany
Product Description:	Energy Storage System with Hybrid inverter and battery pack
Ratings & Principle Characteristics:	See Appendix table
Models/Type References:	AS-BSL1-4000, AS-BSL1-8000, AS-BSL1-12000
Brand Name:	AEG
Relevant Standards/Directives:	IEC/EN 62109-2:2011 in conjunction with IEC/EN 62109-1:2010 the Low Voltage Directive 2014/35/EU
Verification Issuing Office Name & Address:	Intertek Testing Services Shanghai Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China
Date of Tests:	2019-11-25 to 2019-12-30
Test Report Number(s):	200703283SHA-001

Additional information in Appendix.



**Signature**

**Name: Jonny Jing**  
**Position: Manager**  
**Date: 2020-08-31**

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## APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 200802098SHA-V1

Manufacturer: SHAMU20001

Specifications table			
Model	AS-BSL1-4000	AS-BSL1-8000	AS-BSL1-12000
<b>PV input:</b>			
Vmax PV (Vdc)	500V d.c.	500V dc.	500V dc.
Isc PV (absolute Max.) (A)	16A	16A/16A	16A/16A
Number MPP trackers	1	2	2
Number input strings	1/1	1/1	1/1
Max. PV input current(A)	11A	11A/11A	11A/11A
MPPT voltage range (Vdc)	125-425Vdc	125-425Vdc	125-425Vdc
Vdc range @ full power (Vdc)	330-425Vdc	250-425Vdc	250-425Vdc
<b>AC input and output</b>			
Normal Voltage (VAC)	230VAC,Single phase(L/N/PE)		
Frequency (Hz)	50Hz		
Max. AC output current (A)	18A	25A	25A
Max. AC input current (A)	18A	25A	25A
Max. continuous Power (kW)	3.6kW	5kW	5kW
Power factor range	-0.8~+0.8	-0.8~+0.8	-0.8~+0.8
<b>Off-Grid AC Output</b>			
Normal Voltage (VAC)	230VAC, Single phase(L/N/PE)		
Frequency (Hz)	50Hz		
Max. AC output current (A)	18A	25A	25A
Max. continuous Power (kW)	3.6kW	5kW	5kW
Power factor range	-0.8~+0.8	-0.8~+0.8	-0.8~+0.8
<b>Battery data</b>			
Battery type	LFP	LFP	LFP

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Specifications table			
Model	AS-BSL1-4000	AS-BSL1-8000	AS-BSL1-12000
Nominal Storage capacity (kWh)	3.84	7.68	11.52
Usable Storage Capacity (kWh)	3.07	6.14	9.22
Battery capacity (Ah)	75	150	225
Normal voltage (V)	51.2	51.2	51.2
Voltage range (V)	42~58	42~58	42~58
Max. charge current (A)	50	100	100
Max. discharge current (A)	50	100	100
<b>others</b>			
Protective class	Class I		
Ingress protection	IP 20		
working temperature	-10°C-40°C		
Overvoltage category	OVC II(PV), OVCIII(AC main Grid)		
Humidity	0% ~ 95 %		
Condition	Indoor conditioned		
Weight(kg)	145	240	300



**Signature**

**Name: Jonny Jing**

**Position: Manager**

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