



Product Service

Compliance Document

No. D 090313 0053 Rev. 00

Holder of Attestation: Autarco Group BVTorenallee 20
5617 BC Eindhoven
THE NETHERLANDS**Product:****Converter
Hybrid Inverter**

This Compliance document confirms the compliance with the listed standards on a voluntary basis. It refers only to the particular sample. This compliance document makes no statement regarding the quality or safety of the serial products. For details see: www.tuvsud.com/ps-cert

Test report no.: 4812825038100**Date,** 2026-01-29

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Model(s): S2.OH80000, S2.OH80000(ND), S2.OH100000, S2.OH100000(ND), S2.OH125000, S2.OH125000(ND)

Parameters:

Models	S2.OH80000(ND)	S2.OH80000
PV input		
Max. input voltage	1000 Vd.c.	
MPPT voltage range	150, ..., 950 Vd.c.	
Max. input current	10x42 Ad.c.	10x42 Ad.c.
Isc PV (absolute maximum)	10x60 Ad.c.	10x60 Ad.c.
Battery input		
Battery type	Li-ion	
Battery voltage range	300, ..., 950 Vd.c.	
Max. charge current	2x100 Ad.c.	2x100 Ad.c.
Max. discharge current	2x100 Ad.c.	2x100 Ad.c.
AC output (Grid and Backup)		
Max.(rated) output power	80000 VA	80000 VA
Nominal output voltage	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.
Nominal frequency	50 / 60 Hz	
Max.(rated) output current	121.6 Aa.c.@ 220/380 Va.c. 115.5 Aa.c.@ 230/400 Va.c.	121.6 Aa.c.@ 220/380 Va.c. 115.5 Aa.c.@ 230/400 Va.c.
AC input (for Grid and Gen)		
Nominal voltage	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.
Grid max.(rated) continuous current	250 Aa.c.@ 220 Va.c. 250 Aa.c.@ 230 Va.c.	250 Aa.c.@ 220 Va.c. 250 Aa.c.@ 230 Va.c.
Gen max.(rated) continuous current	121.6 Aa.c.@ 220/380 Va.c. 115.5 Aa.c.@ 230/400 Va.c.	121.6 Aa.c.@ 220/380 Va.c. 115.5 Aa.c.@ 230/400 Va.c.
Nominal frequency	50 / 60 Hz	
General parameters		
Power factor range	-0.8...1...+0.8	
Protective class	I	



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Ingress protection	IP66
Overvoltage category	II(PV&BAT), III(Grid, Backup, Gen)
Operating temperature range	-25 °C...+60 °C
Inverter topology	Non-isolated



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Models	S2.OH100000(ND)	S2.OH100000	S2.OH125000(ND)	S2.OH125000
PV input				
Max. input voltage	1000 Vd.c.			
MPPT voltage range	150, ..., 950 Vd.c.			
Max. input current	10x42 Ad.c.	10x42 Ad.c.	10x42 Ad.c.	10x42 Ad.c.
Isc PV (absolute maximum)	10x60 Ad.c.	10x60 Ad.c.	10x60 Ad.c.	10x60 Ad.c.
Battery input				
Battery type	Li-ion			
Battery voltage range	300, ..., 950 Vd.c.			
Max. charge current	2x100 Ad.c.	2x100 Ad.c.	2x100 Ad.c.	2x100 Ad.c.
Max. discharge current	2x100 Ad.c.	2x100 Ad.c.	2x100 Ad.c.	2x100 Ad.c.
AC output (Grid and Backup)				
Max.(rated) output power	100000 VA	100000 VA	125000 VA	125000 VA
Nominal output voltage	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.
Nominal frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Max.(rated) output current	151.9 Aa.c.@ 220/380 Va.c. 144.3 Aa.c.@ 230/400 Va.c.	151.9 Aa.c.@ 220/380 Va.c. 144.3 Aa.c.@ 230/400 Va.c.	189.9 Aa.c.@ 220/380 Va.c. 180.4 Aa.c.@ 230/400 Va.c.	189.9 Aa.c.@ 220/380 Va.c. 180.4 Aa.c.@ 230/400 Va.c.
AC input (for Grid and Gen)				
Nominal voltage	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.
Grid max.(rated) continuous current	250 Aa.c.@ 220/380 Va.c. 250 Aa.c.@ 220/380 Va.c.	250 Aa.c.@ 220/380 Va.c. 250 Aa.c.@ 220/380 Va.c.	250 Aa.c.@ 220/380 Va.c. 250 Aa.c.@ 220/380 Va.c.	250 Aa.c.@ 220/380 Va.c. 250 Aa.c.@ 220/380 Va.c.
Gen max.(rated) continuous current	151.9 Aa.c.@ 220/380 Va.c. 144.3 Aa.c.@ 230/400 Va.c.	151.9 Aa.c.@ 220/380 Va.c. 144.3 Aa.c.@ 230/400 Va.c.	189.9 Aa.c.@ 220/380 Va.c. 180.4 Aa.c.@ 230/400 Va.c.	189.9 Aa.c.@ 220/380 Va.c. 180.4 Aa.c.@ 230/400 Va.c.
Nominal frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
General parameters				
Power factor range	-0.8...1...+0.8			



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Protective class	I
Ingress protection	IP66
Overvoltage category	II(PV&BAT), III(Grid, Backup, Gen)
Operating temperature range	-25 °C...+60 °C
Inverter topology	Non-isolated

Tested according to:

- IEC 61000-6-2:2016
- IEC 61000-6-4:2018
- CISPR 11:2015/A2:2019
- IEC 62920:2017/A1:2021
- IEC 61000-3-2:2018/AMD1:2020
- IEC 61000-3-12:2011/AMD1:2021
- IEC 61000-3-3:2013/AMD2:2021
- IEC 61000-3-11:2017
- IEC TS 61000-3-4:1998
- IEC TS 61000-3-5:2009