



Product Service

# CERTIFICATE

No. B 090313 0045 Rev. 00

**Holder of Certificate:** **Autarco Group BV**

Torenallee 20  
5617 BC Eindhoven  
THE NETHERLANDS

**Certification Mark:**



**Product:** **Converter  
Hybrid Inverter**

**Model(s):** S2.MH3000-MIII, S2.MH3600-MIII, S2.MH5000-MIII,  
S2.MH6000-MIII, S2.MH8000-MIII, S2.MH3000M-MIII,  
S2.MH3600M-MIII, S2.MH5000M-MIII, S2.MH6000M-MIII,  
S2.MH8000M-MIII, S2.MH10000M-MIII.

**Parameters:** See next pages

**Tested according to:** IEC 62109-1:2010  
EN 62109-1:2010  
IEC 62109-2:2011  
EN 62109-2:2011

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 701262523201-00

**Valid until:** 2030-07-28

**Date,** 2025-12-01

( Zhengdong Ma )

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Model	S2.MH3000-MIII	S2.MH3600-MIII	S2.MH5000-MIII
<b>PV input</b>			
Max. input voltage	500 Vd.c.	500 Vd.c.	500 Vd.c.
MPPT voltage range	90, ..., 435 Vd.c.	90, ..., 435 Vd.c.	90, ..., 435 Vd.c.
Max. input current	2x16 Ad.c.	2x16 Ad.c.	2x16 Ad.c.
Isc PV (absolute maximum)	2x20 Ad.c.	2x20 Ad.c.	2x20 Ad.c.
<b>Battery input</b>			
Battery type	Li-ion/Lead-acid		
Battery voltage range	40, ..., 60 Vd.c.	40, ..., 60 Vd.c.	40, ..., 60 Vd.c.
Max. charge current	70 Ad.c.	80 Ad.c.	112 Ad.c.
Max. discharge current	70 Ad.c.	80 Ad.c.	112 Ad.c.
<b>AC output (Back-up)</b>			
Max. (rated) output power	3000 W	3600 W	5000 W
Nominal output voltage	1/N/PE 220 Va.c., 1/N/PE 230 Va.c.		
Nominal frequency	50/60 Hz		
Max. (rated) output current	13.7 Aa.c.@ 220 Va.c. 13.1 Aa.c.@ 230 Va.c.	16.4 Aa.c.@ 220 Va.c. 15.7 Aa.c.@ 230 Va.c.	22.8 Aa.c.@ 220 Va.c. 21.8 Aa.c.@ 230 Va.c.
<b>AC output (Grid side)</b>			
Max. (rated) apparent output power	3000 VA	3600 VA	5000 VA
Nominal output voltage	1/N/PE 220 Va.c., 1/N/PE 230 Va.c.		
Nominal frequency	50/60 Hz		
Max. (rated) output current	13.7 Aa.c.@ 220 Va.c. 13.1 Aa.c.@ 230 Va.c.	16.4 Aa.c.@ 220 Va.c. 15.7 Aa.c.@ 230 Va.c.	22.8 Aa.c.@ 220 Va.c. 21.8 Aa.c.@ 230 Va.c.
<b>AC input</b>			
Nominal voltage	1/N/PE 220 Va.c., 1/N/PE 230 Va.c.		
Max. (rated) continuous current	21 Aa.c.@ 220 Va.c. 20 Aa.c.@ 230 Va.c.	25 Aa.c.@ 220 Va.c. 24 Aa.c.@ 230 Va.c.	32 Aa.c.@ 220 Va.c. 31 Aa.c.@ 230 Va.c.
Nominal frequency	50/60 Hz		
<b>General parameters</b>			
Power factor range	-0.8, ..., 1, ..., +0.8		
Protective class	I		
Ingress protection	IP66		
Operating temperature range	-40°C, ..., +60 °C		

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Model	S2.MH6000-MIII	S2.MH8000-MIII
<b>PV input</b>		
Max. input voltage	500 Vd.c.	500 Vd.c.
MPPT voltage range	90, ..., 435 Vd.c.	90, ..., 435 Vd.c.
Max. input current	2x16 Ad.c.	2x32 Ad.c.
Isc PV (absolute maximum)	2x20 Ad.c.	2x40 Ad.c.
<b>Battery input</b>		
Battery type	Li-ion/Lead-acid	
Battery voltage range	40, ..., 60 Vd.c.	40, ..., 60 Vd.c.
Max. charge current	135 Ad.c.	190 Ad.c.
Max. discharge current	135 Ad.c.	190 Ad.c.
<b>AC output (Back-up)</b>		
Max./rated output power	6000 W	8000 W
Nominal output voltage	1/N/PE 220 Va.c., 1/N/PE 230 Va.c.	
Nominal frequency	50/60 Hz	
Max. (rated) output current	27,3 Aa.c.@ 220 Va.c. 26,1 Aa.c.@ 230 Va.c.	36,4 Aa.c.@ 220 Va.c. 34,8 Aa.c.@ 230 Va.c.
<b>AC output (Grid side)</b>		
Max. (rated) apparent output power	6000 VA	8000 VA
Nominal output voltage	1/N/PE 220 Va.c., 1/N/PE 230 Va.c.	
Nominal frequency	50/60 Hz	
Max. (rated) output current	27,3 Aa.c.@ 220 Va.c. 26,1 Aa.c.@ 230 Va.c.	36,4 Aa.c.@ 220 Va.c. 34,8 Aa.c.@ 230 Va.c.
<b>AC input</b>		
Nominal voltage	1/N/PE 220 Va.c., 1/N/PE 230 Va.c.	
Max. (rated) continuous current	40 Aa.c. @ 220 Va.c. 39 Aa.c.@ 230 Va.c.	50 Aa.c.@ 220 Va.c. 50 Aa.c.@ 230 Va.c.
Nominal frequency	50/60 Hz	
<b>General parameters</b>		
Power factor range	-0,8, ..., 1, ..., +0,8	
Protective class	I	
Ingress protection	IP66	
Operating temperature range	-40°C, ..., +60 °C	

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Model	S2.MH3000M-MIII	S2.MH3600M-MIII
<b>PV input</b>		
Max. input voltage	500 Vd.c.	
MPPT voltage range	90, ..., 435 Vd.c.	90, ..., 435 Vd.c.
Max. input current	2x21 Ad.c.	2x21 Ad.c.
Isc PV (absolute maximum)	2x24Ad.c.	2x24 Ad.c.
MPPT number/max input strings number	2/2	2/2
<b>Battery input</b>		
Battery type	Li-ion / Lead-acid	
Battery voltage range	40, ..., 60 Vd.c.	40, ..., 60 Vd.c.
Max. charge current	70 Ad.c.	80 Ad.c.
Max. discharge current	70 Ad.c.	80 Ad.c.
<b>AC output (Back-up)</b>		
Max. (rated) output power	3000 W	3600 W
Nominal output voltage	1/N/PE 220 Va.c. 1/N/PE 230 Va.c.	
Nominal frequency	50 / 60 Hz	
Max. (rated) output current	13.7 Aa.c.@ 220 Va.c. 13.1 Aa.c.@ 230 Va.c.	16.4 Aa.c.@ 220 Va.c. 15.7 Aa.c.@ 230 Va.c.
<b>AC output (Grid side)</b>		
Max. (rated) apparent output power	3000 VA	3600 VA
Nominal output voltage	1/N/PE 220 Va.c. 1/N/PE 230 Va.c.	
Nominal frequency	50 / 60 Hz	
Max. (rated) output current	13.7 Aa.c.@ 220 Va.c. 13.1 Aa.c.@ 230 Va.c.	16.4 Aa.c.@ 220 Va.c. 15.7 Aa.c.@ 230 Va.c.
<b>AC input</b>		
Nominal voltage	1/N/PE 220 Va.c. 1/N/PE 230 Va.c.	
Max. (rated) continuous current	21 Aa.c.@ 220 Va.c. 20 Aa.c.@ 230 Va.c.	25 Aa.c.@ 220 Va.c. 24 Aa.c.@ 230 Va.c.
Nominal frequency	50 / 60 Hz	
Power factor range	-0.8, ..., 1, ..., +0.8	
Protective class	I	
Ingress protection	IP66	
Operating temperature range	-40°C, ..., +60 °C	

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Model	S2.MH5000M-MIII	S2.MH6000M-MIII	S2.MH8000M-MIII
<b>PV input</b>			
Max. input voltage	500 Vd.c.		
MPPT voltage range	90, ..., 435 Vd.c.		
Max. input current	2x21 Ad.c.	2x21 Ad.c.	2x42 Ad.c.
Isc PV (absolute maximum)	2x24 Ad.c.	2x24 Ad.c.	2x48 Ad.c.
MPPT number/max input strings number	2/2	2/2	2/4
<b>Battery input</b>			
Battery type	Li-ion / Lead-acid		
Battery voltage range	40, ..., 60 Vd.c.		
Max. charge current	112 Ad.c.	135 Ad.c.	190 Ad.c.
Max. discharge current	112 Ad.c.	135 Ad.c.	190 Ad.c.
<b>AC output (Back-up)</b>			
Max. (rated) output power	5000 W	6000 W	8000 W
Nominal output voltage	1/N/PE 220 Va.c. 1/N/PE 230 Va.c.		
Nominal frequency	50 / 60 Hz		
Max./rated output current	22.8 Aa.c.@ 220 Va.c. 21.8 Aa.c.@ 230 Va.c.	27.3 Aa.c.@ 220 Va.c. 26.1 Aa.c.@ 230 Va.c.	36.4 Aa.c.@ 220 Va.c. 34.8 Aa.c.@ 230 Va.c.
<b>AC output (Grid side)</b>			
Max. (rated) apparent output power	5000 VA	6000 VA	8000 VA
Nominal output voltage	1/N/PE 220 Va.c. 1/N/PE 230 Va.c.		
Nominal frequency	50 / 60 Hz		
Max. (rated) output current	22.8 Aa.c.@ 220 Va.c. 21.8 Aa.c.@ 230 Va.c.	27.3 Aa.c.@ 220 Va.c. 26.1 Aa.c.@ 230 Va.c.	36.4 Aa.c.@ 220 Va.c. 34.8 Aa.c.@ 230 Va.c.
<b>AC input</b>			
Nominal voltage	1/N/PE 220 Va.c. 1/N/PE 230 Va.c.		
Max. (rated) continuous current	32 Aa.c.@ 220 Va.c. 31 Aa.c.@ 230 Va.c.	40 Aa.c.@ 220 Va.c. 39 Aa.c.@ 230 Va.c.	50 Aa.c.@ 220 Va.c. 50 Aa.c.@ 230 Va.c.
Nominal frequency	50 / 60 Hz		
Power factor range	-0.8, ..., 1, ..., +0.8		
Protective class	I		
Ingress protection	IP66		
Operating temperature range	-40°C, ..., +60 °C		

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Model	S2.MH10000M-MIII
<b>PV input</b>	
Max. input voltage	500 Vd.c.
MPPT voltage range	90, ..., 435 Vd.c.
Max. input current	2x42 Ad.c.
Isc PV (absolute maximum)	2x48 Ad.c.
MPPT number/max input strings number	2/4
<b>Battery input</b>	
Battery type	Li-ion / Lead-acid
Battery voltage range	40, ..., 60 Vd.c.
Max. charge current	210 Ad.c.
Max. discharge current	210 Ad.c.
<b>AC output (Back-up)</b>	
Max. (rated) output power	10000 W
Nominal output voltage	1/N/PE 220 Va.c. 1/N/PE 230 Va.c.
Nominal frequency	50 / 60 Hz
Max./rated output current	45.5 Aa.c.@ 220 Va.c. 43.5 Aa.c.@ 230 Va.c.
<b>AC output (Grid side)</b>	
Max. (rated) apparent output power	10000 VA
Nominal output voltage	1/N/PE 220 Va.c. 1/N/PE 230 Va.c.
Nominal frequency	50 / 60 Hz
Max. (rated) output current	45.5 Aa.c.@ 220 Va.c. 43.5 Aa.c.@ 230 Va.c.
<b>AC input</b>	
Nominal voltage	1/N/PE 220 Va.c. 1/N/PE 230 Va.c.
Max. (rated) continuous current	65 Aa.c.@ 220 Va.c. 65 Aa.c.@ 230 Va.c.
Nominal frequency	50 / 60 Hz
Power factor range	-0.8, ..., 1, ..., +0.8
Protective class	I
Ingress protection	IP66
Operating temperature range	-40°C, ..., +60 °C