



Product Service

CERTIFICATE

No. B 090313 0015 Rev. 00

Holder of Certificate: **Autarco Group BV**

Torenallee 20
5617 BC Eindhoven
THE NETHERLANDS

Certification Mark:



Product:

**Converter
PV Grid-Tied Inverter**

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 and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 701262207401-00

Valid until: 2026-08-16

Date, 2022-04-21

(Zhengdong Ma)



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Model(s):

S2.MX2500-MIII, S2.MX3000-MIII, S2.MX3600-MIII,
S2.MX4000-MIII, S2.MX4600-MIII, S2.MX5000-MIII,
S2.MX6000-MIII, S2.MX2500(S)-MII, S2.MX3000(S)-
MII, S2.MX3600(S)-MII, S2.MX4000(S)-MII,
S2.MX4600(S)-MII, S2.MX5000(S)-MII, S2.MX6000(S)-
MII

Parameters:

Please see pages 3 to 6.

Tested according to:

EN 62109-1:2010
IEC 62109-1(ed.1)
EN 62109-2:2011
IEC 62109-2(ed.1)

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Models	S2.MX2500(S)-MII	S2.MX3000(S)-MII	S2.MX3600(S)-MII	S2.MX4000(S)-MII
PV input ratings:				
Max. input voltage:	550Vd.c.	600Vd.c.	600Vd.c.	600Vd.c.
MPP voltage range:	50-450Vd.c.	90-520Vd.c.	90-520Vd.c.	90-520Vd.c.
Max. input current:	2 x 11Ad.c.	2 x 11Ad.c.	2 x 11Ad.c.	2 x 11Ad.c.
Isc PV (absolute maximum):	2 x 17.2Ad.c.	2 x 17.2Ad.c.	2 x 17.2Ad.c.	2 x 17.2Ad.c.
AC output ratings:				
Rated grid voltage:	1/N/PE 220/230Va.c.	1/N/PE 220/230Va.c.	1/N/PE 220/230Va.c.	1/N/PE 220/230Va.c.
Rated grid frequency:	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Rated output power:	2500W	3000W	3600W	4000W
Max. AC output active power:	2800W	3300W	4000W	4400W
Max. AC output apparent power:	2800VA	3300VA	4000VA	4400VA
Max. continuous output current:	13.3Aa.c.	15.7Aa.c.	16Aa.c.	21Aa.c.

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Models	S2.MX4600(S)-MII	S2.MX5000(S)-MII	S2.MX6000(S)-MII
PV input ratings:			
Max. input voltage:	600Vd.c.	600Vd.c.	600Vd.c.
MPP voltage range:	90-520Vd.c.	90-520Vd.c.	90-520Vd.c.
Max. input current:	2 x 11Ad.c.	2 x 11Ad.c.	2 x 11Ad.c.
Isc PV (absolute maximum):	2 x 17.2Ad.c.	2 x 17.2Ad.c.	2 x 17.2Ad.c.
AC output ratings:			
Rated grid voltage:	1/N/PE 220/230Va.c.	1/N/PE 220/230Va.c.	1/N/PE 220/230Va.c.
Rated grid frequency:	50/60Hz	50/60Hz	50/60Hz
Rated output power:	4600W	5000W	6000W
Max. AC output active power:	5000W	5000W	6000W
Max. AC output apparent power:	5000VA	5000VA	6000VA
Max. continuous output current:	23.8Aa.c	25Aa.c	27.3Aa.c.

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Models	S2.MX2500-MIII	S2.MX3000-MIII	S2.MX3600-MIII	S2.MX4000-MIII
PV input ratings:				
Max. input voltage:	550Vd.c.	600Vd.c.	600Vd.c.	600Vd.c.
MPP voltage range:	50-450Vd.c.	90-520Vd.c.	90-520Vd.c.	90-520Vd.c.
Max. input current:	2 x 14Ad.c.	2 x 14Ad.c.	2 x 14Ad.c.	2 x 14Ad.c.
Isc PV (absolute maximum):	2 x 22Ad.c.	2 x 22Ad.c.	2 x 22Ad.c.	2 x 22Ad.c.
AC output ratings:				
Rated grid voltage:	1/N/PE 220/230Va.c.	1/N/PE 220/230Va.c.	1/N/PE 220/230Va.c.	1/N/PE 220/230Va.c.
Rated grid frequency:	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Rated output power:	2500W	3000W	3600W	4000W
Max. AC output active power:	2800W	3300W	4000W	4400W
Max. AC output apparent power:	2800VA	3300VA	4000VA	4400VA
Max. continuous output current:	13.3Aa.c.	15.7Aa.c.	16Aa.c.	21Aa.c.

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Models	S2.MX4600-MIII	S2.MX5000-MIII	S2.MX6000-MIII
PV input ratings:			
Max. input voltage:	600Vd.c.	600Vd.c.	600Vd.c.
MPP voltage range:	90-520Vd.c.	90-520Vd.c.	90-520Vd.c.
Max. input current:	2 x 14Ad.c.	2 x 14Ad.c.	2 x 14Ad.c.
Isc PV (absolute maximum):	2 x 22Ad.c.	2 x 22Ad.c.	2 x 22Ad.c.
AC output ratings:			
Rated grid voltage:	1/N/PE 220/230Va.c.	1/N/PE 220/230Va.c.	1/N/PE 220/230Va.c.
Rated grid frequency:	50/60Hz	50/60Hz	50/60Hz
Rated output power:	4600W	5000W	6000W
Max. AC output active power:	5000W	5000W	6000W
Max. AC output apparent power:	5000VA	5000VA	6000VA
Max. continuous output current:	23.8Aa.c.	25Aa.c.	27.3Aa.c.

General specifications:		
Models	S2.MX2500-MIII, S2.MX3000-MIII, S2.MX3600-MIII, S2.MX4000-MIII, S2.MX4600-MIII, S2.MX5000-MIII, S2.MX6000-MIII	S2.MX2500(S)-MII, S2.MX3000(S)-MII, S2.MX3600(S)-MII, S2.MX4000(S)-MII, S2.MX4600(S)-MII, S2.MX5000(S)-MII, S2.MX6000(S)-MII
Adjustable cos(φ)	-0.8...1...+0.8	
Protection class	I	
Degree of protection	IP66	IP65
Overvoltage category	II(PV), III(MAINS)	
Ambient temperature	-25°C ... +60°C	
Inverter topology	Non-isolated	