



Product Service

CERTIFICATE

No. B 090313 0029 Rev. 00

Holder of Certificate: Autarco Group BV
Torenallee 20
5617 BC Eindhoven
THE NETHERLANDS

Certification Mark:



Product: Converter
Hybrid 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, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 701262425703-00

Valid until: 2029-06-19

Date, 2024-12-09

(Zhengdong Ma)

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No. B 090313 0029 Rev. 00

Model(s):

S2.XLH29900, S2.XLH30000, S2.XLH40000, S2.XLH50000

Parameters:

Model	S2.XLH29900	S2.XLH30000
PV input		
Max. input voltage	1000 Vd.c.	1000 Vd.c.
MPPT voltage range	150, ..., 850 Vd.c.	150, ..., 850 Vd.c.
Max. input current	3x40 Ad.c.	3x40 Ad.c.
Isc PV (absolute maximum)	3x60 Ad.c.	3x60 Ad.c.
MPPT number/max input strings number	3/6	3/6
Battery input		
Battery type	Li-ion	
Battery voltage range	150, ..., 800 Vd.c.	150, ..., 800 Vd.c.
Max. charge current	2x70 Ad.c.	2x70 Ad.c.
Max. discharge current	2x70 Ad.c.	2x70 Ad.c.
AC output (Back-up)		
Max.(rated) output power	29900 W	30000 W
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	45.4 Aa.c.@ 220/380 Va.c. 43.2 Aa.c.@ 230/400 Va.c.	45.6 Aa.c.@ 220/380 Va.c. 43.3 Aa.c.@ 230/400 Va.c.
AC output (Grid side)		
Max.(rated) apparent output power	29900 VA	30000 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	45.4 Aa.c.@ 220/380 Va.c. 43.2 Aa.c.@ 230/400 Va.c.	45.6 Aa.c.@ 220/380 Va.c. 43.3 Aa.c.@ 230/400 Va.c.
AC input (for Grid port and Gen port)		
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	90.8 Aa.c.@ 220/380 Va.c. 86.4 Aa.c.@ 230/400 Va.c.	91.2 Aa.c.@ 220/380 Va.c. 86.6 Aa.c.@ 230/400 Va.c.
Gen max.(rated) continuous current	45.4 Aa.c.@ 220/380 Va.c. 43.2 Aa.c.@ 230/400 Va.c.	45.6 Aa.c.@ 220/380 Va.c. 43.3 Aa.c.@ 230/400 Va.c.
Nominal frequency	50/60 Hz	
General		
Power factor range	-0.8, ..., 1, ..., +0.8	
Protective class	I	
Ingress protection	IP 66	
Operating temperature Range	-25°C, ..., +60 °C	
Max. operation altitude	4000 m	

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Model	S2.XLH40000	S2.XLH50000
PV input		
Max. input voltage	1000 Vd.c.	1000 Vd.c.
MPPT voltage range	150, ..., 850 Vd.c.	150, ..., 850 Vd.c.
Max. input current	4x40 Ad.c.	4x40 Ad.c.
Isc PV (absolute maximum)	4x60 Ad.c.	4x60 Ad.c.
MPPT number/max input strings number	4/8	4/8
Battery input		
Battery type	Li-ion	
Battery voltage range	150, ..., 800 Vd.c.	150, ..., 800 Vd.c.
Max. charge current	2x70 Ad.c.	2x70 Ad.c.
Max. discharge current	2x70 Ad.c.	2x70 Ad.c.
AC output (Back-up)		
Max.(rated) output power	40000 W	50000 W
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	60.8 Aa.c.@ 220/380 Va.c. 57.7 Aa.c.@ 230/400 Va.c.	76.0 Aa.c.@ 220/380 Va.c. 72.2 Aa.c.@ 230/400 Va.c.
AC output (Grid side)		
Max.(rated) apparent output power	40000 VA	50000 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	60.8 Aa.c.@ 220/380 Va.c. 57.7 Aa.c.@ 230/400 Va.c.	76.0 Aa.c.@ 220/380 Va.c. 72.2 Aa.c.@ 230/400 Va.c.
AC input (for Grid port and Gen port)		
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	121.6 Aa.c.@ 220/380 Va.c. 115.4 Aa.c.@ 230/400 Va.c.	152.0 Aa.c.@ 220/380 Va.c. 144.4 Aa.c.@ 230/400 Va.c.
Gen max.(rated) continuous current	60.8 Aa.c.@ 220/380 Va.c. 57.7 Aa.c.@ 230/400 Va.c.	76.0 Aa.c.@ 220/380 Va.c. 72.2 Aa.c.@ 230/400 Va.c.
Nominal frequency	50/60 Hz	
General		
Power factor range	-0.8, ..., 1, ..., +0.8	
Protective class	I	
Ingress protection	IP 66	
Operating temperature Range	-25°C, ..., +60 °C	
Max. operation altitude	4000 m	

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