

Compliance Document

No. D 090313 0018 Rev. 00

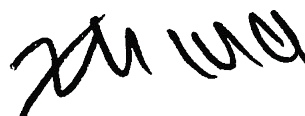
Holder of Certificate: **Autarco Group BV**
Torenallee 20
5617 BC Eindhoven
THE NETHERLANDS

Product: **Converter**
PV Grid Tied Inverter

This Compliance document confirms the compliance with the listed standards on a voluntary basis. It refers only to the sample submitted for testing and certification and does not certify the quality or safety of the serial products. For details see: www.tuvsud.com/ps-cert

Test report no.: 704092228702-00

Date, 2022-05-12



(Zhengdong Ma)

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Model(s): S2.LD5000(S)-MII, S2.LD6000(S)-MII, S2.LD8000(S)-MII, S2.LD9000(S)-MII, S2.LD10000(S)-MII, S2.LQ12000(S)-MII, S2.LQ15000(S)-MII, S2.LQ17000(S)-MII, S2.LQ20000(S)-MII, S2.LD5000-MIII, S2.LD6000-MIII, S2.LD8000-MIII, S2.LD9000-MIII, S2.LD10000-MIII, S2.LQ12000-MIII, S2.LQ15000-MIII, S2.LQ17000-MIII, S2.LQ20000-MIII

Parameters:

PV Input Parameters	
Max. input voltage:	d.c. 1000 V (S2.LD5000(S)-MII, S2.LD6000(S)-MII, S2.LD8000(S)-MII, S2.LD9000(S)-MII, S2.LD10000(S)-MII, S2.LQ12000(S)-MII, S2.LQ15000(S)-MII, S2.LQ17000(S)-MII, S2.LQ20000(S)-MII)
Max. input current:	d.c. 2*11 A (S2.LD5000(S)-MII, S2.LD6000(S)-MII, S2.LD8000(S)-MII, S2.LD9000(S)-MII, S2.LD10000(S)-MII) d.c. 2*22 A (S2.LQ12000(S)-MII, S2.LQ15000(S)-MII, S2.LQ17000(S)-MII, S2.LQ20000(S)-MII)
Isc PV (absolute maximum)	d.c. 2*17.2 A (S2.LD5000(S)-MII, S2.LD6000(S)-MII, S2.LD8000(S)-MII, S2.LD9000(S)-MII, S2.LD10000(S)-MII) d.c. 2*34.3 A (S2.LQ12000(S)-MII, S2.LQ15000(S)-MII, S2.LQ17000(S)-MII, S2.LQ20000(S)-MII)
MPPT voltage range	d.c. 160-850 V (S2.LD5000(S)-MII, S2.LD6000(S)-MII, S2.LD8000(S)-MII, S2.LD9000(S)-MII, S2.LD10000(S)-MII, S2.LQ12000(S)-MII, S2.LQ15000(S)-MII, S2.LQ17000(S)-MII, S2.LQ20000(S)-MII)

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AC.output parameters	
Rated output power	5000 W (S2.LD5000(S)-MII) 6000 W (S2.LD6000(S)-MII) 8000 W (S2.LD8000(S)-MII) 9000 W (S2.LD9000(S)-MII) 10000 W (S2.LD10000(S)-MII) 12000 W (S2.LQ12000(S)-MII) 15000 W (S2.LQ15000(S)-MII) 17000 W (S2.LQ17000(S)-MII) 20000 W (S2.LQ20000(S)-MII)
Max. AC output active power	5500 W (S2.LD5000(S)-MII) 6600 W (S2.LD6000(S)-MII) 8800 W (S2.LD8000(S)-MII) 9900 W (S2.LD9000(S)-MII) 11000 W (S2.LD10000(S)-MII) 13200 W (S2.LQ12000(S)-MII) 16500 W (S2.LQ15000(S)-MII) 18700 W (S2.LQ17000(S)-MII) 22000 W (S2.LQ20000(S)-MII)
Max. AC output apparent power	5500 VA (S2.LD5000(S)-MII) 6600 VA (S2.LD6000(S)-MII) 8800 VA (S2.LD8000(S)-MII) 9900 VA (S2.LD9000(S)-MII) 11000 VA (S2.LD10000(S)-MII) 13200 VA (S2.LQ12000(S)-MII) 16500 VA (S2.LQ15000(S)-MII) 18700 VA (S2.LQ17000(S)-MII) 22000 VA (S2.LQ20000(S)-MII)
Rated grid voltage	3/N/PE~, 230/400 V
Rated grid frequency	50 Hz
Max. continuous output current	a.c. 7.9 A (S2.LD5000(S)-MII) a.c. 9.5 A (S2.LD6000(S)-MII) a.c. 12.7 A (S2.LD8000(S)-MII) a.c. 14.2 A (S2.LD9000(S)-MII) a.c. 15.9 A (S2.LD10000(S)-MII) a.c. 19.1 A (S2.LQ12000(S)-MII) a.c. 23.8 A (S2.LQ15000(S)-MII) a.c. 27 A (S2.LQ17000(S)-MII) a.c. 31.8 (S2.LQ20000(S)-MII)
Adjustable cos(φ)	-0.8...+0.8
Others	
Operating temperature Range:	-25 °C...+60 °C
Protective Class:	I
Ingress Protection:	IP65
Overvoltage Category:	PV: II, Main: III
Inverter Topology:	Non-isolated

Compliance Document

No. D 090313 0018 Rev. 00

PV Input Parameters	
Max. input voltage:	d.c. 1100 V (S2.LD5000-MIII, S2.LD6000-MIII, S2.LD8000-MIII, S2.LD9000-MIII, S2.LD10000-MIII, S2.LQ12000-MIII, S2.LQ15000-MIII, S2.LQ17000-MIII, S2.LQ20000-MIII)
Max. input current:	d.c. 2*16 A (S2.LD5000-MIII, S2.LD6000-MIII, S2.LD8000-MIII, S2.LD9000-MIII, S2.LD10000-MIII) d.c. 2*32 A (S2.LQ12000-MIII, S2.LQ15000-MIII, S2.LQ17000-MIII, S2.LQ20000-MIII)
Isc PV (absolute maximum)	d.c. 2*25 A (S2.LD5000-MIII, S2.LD6000-MIII, S2.LD8000-MIII, S2.LD9000-MIII, S2.LD10000-MIII) d.c. 2*50 A (S2.LQ12000-MIII, S2.LQ15000-MIII, S2.LQ17000-MIII, S2.LQ20000-MIII)
MPPT voltage range	d.c. 160-1000 V (S2.LD5000-MIII, S2.LD6000-MIII, S2.LD8000-MIII, S2.LD9000-MIII, S2.LD10000-MIII, S2.LQ12000-MIII, S2.LQ15000-MIII, S2.LQ17000-MIII, S2.LQ20000-MIII)

Compliance Document

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AC.output parameters	
Rated output power	5000 W (S2.LD5000-MIII) 6000 W (S2.LD6000-MIII) 8000 W (S2.LD8000-MIII) 9000 W (S2.LD9000-MIII) 10000 W (S2.LD10000-MIII) 12000 W (S2.LQ12000-MIII) 15000 W (S2.LQ15000-MIII) 17000 W (S2.LQ17000-MIII) 20000 W (S2.LQ20000-MIII)
Max. AC output active power	5500 W (S2.LD5000-MIII) 6600 W (S2.LD6000-MIII) 8800 W (S2.LD8000-MIII) 9900 W (S2.LD9000-MIII) 11000 W (S2.LD10000-MIII) 13200 W (S2.LQ12000-MIII) 16500 W (S2.LQ15000-MIII) 18700 W (S2.LQ17000-MIII) 22000 W (S2.LQ20000-MIII)
Max. AC output apparent power	5500 VA (S2.LD5000-MIII) 6600 VA (S2.LD6000-MIII) 8800 VA (S2.LD8000-MIII) 9900 VA (S2.LD9000-MIII) 11000 VA (S2.LD10000-MIII) 13200 VA (S2.LQ12000-MIII) 16500 VA (S2.LQ15000-MIII) 18700 VA (S2.LQ17000-MIII) 22000 VA (S2.LQ20000-MIII)
Rated grid voltage	3/N/PE~, 230/400 V
Rated grid frequency	50 Hz
Max. continuous output current	a.c. 7.9 A (S2.LD5000-MIII) a.c. 9.5 A (S2.LD6000-MIII) a.c. 12.7 A (S2.LD8000-MIII) a.c. 14.3 A (S2.LD9000-MIII) a.c. 15.9 A (S2.LD10000-MIII) a.c. 19.1 A (S2.LQ12000-MIII) a.c. 23.8 A (S2.LQ15000-MIII) a.c. 27 A (S2.LQ17000-MIII) a.c. 31.8 A (S2.LQ20000-MIII)
Adjustable cos(φ)	-0.8...+0.8
Others	
Operating temperature Range:	-25°C...+60°C
Protective Class:	I
Ingress Protection:	IP66
Overvoltage Category:	PV: II, Main: III
Inverter Topology:	Non-isolated

**Tested
according to:**

EN 50549-1:2019/AC:2019