



Compliance Document

No. D 090313 0022 Rev. 00

Holder of Certificate: **Autarco Group BV**
Torenallee 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 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.: 704092228706-00

Date, 2022-06-13

(Zhengdong Ma)

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Model(s): S2.MH3000, S2.MH3600, S2.MH4600,
S2.MH5000, S2.MH6000, S2.MH3000-MII,
S2.MH3600-MII, S2.MH4600-MII, S2.MH5000-MII,
S2.MH6000-MII

Parameters:

Model	S2.MH3000	S2.MH3600	S2.MH4600	S2.MH5000
PV input parameters				
Max. input voltage	600 Vd.c.			
Max. input current	2*11 Ad.c.			
Isc PV (absolute maximum)	2*17.2 Ad.c.			
MPPT Voltage range	90-520 Vd.c.			
Battery				
Battery type	Li-ion/Lead-acid			
Battery voltage rang	42-58 Vd.c.			
Max. Charge/discharge current	62.5 A /62.5 Ad.c.	100 A /100 Ad.c.		
AC output parameters (Back-up)				
Rated output power	3000 W	5000 W		
Rated output voltage/frequency	a.c. 230 V/50 Hz			
Rated output current	13 Aa.c.	22 Aa.c.		
AC output parameters (Grid side)				
Rated output power	3000 W	3600 W	4600 W	5000 W
Max output apparent Power	3300 VA	4000 VA	4600 VA	5500 VA
Rated output voltage /frequency	230 Va.c./50 Hz			
Max output current	15.7 Aa.c.	17.3 Aa.c.	23 Aa.c.	23.9 Aa.c.
AC input parameters				
Rated voltage	230 Va.c.			
Rated current	26.1 Aa.c.			
Rated frequency	50 Hz			
Others				
Protection Class	I			
Ingress protection	IP65			
Ambient temperature	-25°C...+60°C			
Over Voltage Category	PV: II, Main: III			
General power factor	-0.8...+0.8			
Inverter Topology	Non-isolated			

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Model	S2.MH6000	S2.MH3000-MII	S2.MH3600-MII	S2.MH4600-MII
PV input parameters				
Max. input voltage	600 Vd.c.			
Max. input current	2*11 Ad.c.	2*15 Ad.c.	2*15 Ad.c.	2*15 Ad.c.
Isc PV (absolute maximum)	2*17.2 Ad.c.	2*22.5 Ad.c.	2*22.5 Ad.c.	2*22.5 Ad.c.
MPPT Voltage range	90-520 Vd.c.			
Battery				
Battery type	Li-ion/Lead-acid			
Battery voltage rang	42-58 Vd.c.			
Max. Charge/discharge current	100 A/100 Ad.c.	62.5 A/62.5 Ad.c.		100 A/100 Ad.c.
AC output parameters (Back-up)				
Rated output power	5000 W	3000 W		5000 W
Rated output voltage/frequency	230 V/50 Hz			
Rated output current	22 Aa.c.	13.5 Aa.c.		22 Aa.c.
AC output parameters (Grid side)				
Rated output power	6000 W	3000 W	3600 W	4600 W
Max output apparent Power	6000 VA	3300 VA	4000 VA	4600 VA
Rated output voltage /frequency	230 Va.c./50 Hz			
Max output current	26.1 Aa.c.	14.5 Aa.c.	17.5 Aa.c.	20 Aa.c.
AC input parameters				
Rated voltage	230 Va.c.			
Rated current	26.1 Aa.c.	20 Aa.c.	23.5 Aa.c.	30 Aa.c.
Rated frequency	50 Hz			
Others				
Protection Class	I			
Ingress protection	IP65			
Ambient temperature	-25°C...+60°C			
Over Voltage Category	PV: II, Main: III			
General power factor	-0.8...+0.8			
Inverter Topology	Non-isolated			

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Model	S2.MH5000-MII	S2.MH6000-MII
PV input parameters		
Max. input voltage	600 Vd.c.	
Max. input current	2*15 Ad.c	
Isc PV (absolute maximum)	2*22.5 Ad.c	
MPPT Voltage range	90-520 Vd.c.	
Battery		
Battery type	Li-ion/Lead-acid	
Battery voltage rang	42-58 Vd.c.	
Max. Charge/discharge current	100 A/100 Ad.c.	
AC output parameters (Back-up)		
Rated output power	5000 W	
Rated output voltage/frequency	230 Va.c./50 Hz	
Rated output current	22 A a.c.	
AC output parameters (Grid side)		
Rated output power	5000 W	6000 W
Max output apparent Power	5500 VA	6000 VA
Rated output voltage /frequency	230 Va.c./50 Hz	
Max output current	24 Aa.c.	29 Aa.c.
AC input parameters		
Rated voltage	230 Va.c.	
Rated current	33 Aa.c.	
Rated frequency	50 Hz	
Others		
Protection Class	I	
Ingress protection	IP65	
Ambient temperature	-25°C...+60°C	
Over Voltage Category	PV: II, Main: III	
General power factor	-0.8...+0.8	
Inverter Topology	Non-isolated	

**Tested
according to:**

EN 50549-1:2019/AC:2019