

Compliance Document

No. D 001521 0012 Rev. 00

Holder of Certificate: **Aton S.r.l.**
Via Nuova Circonvallazione, 57/B
47923 Rimini (RN)
ITALY

Product: **Converter**
Hybrid inverter with storage battery system

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.: 701262011502-00

Date, 2020-08-24



(Zhengdong Ma)

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Model(s): Hybrid inverter: ATH-3K-TL, ATH-4K-TL, ATH-4.6K-TL, ATH-5K-TL, ATH-6K-TL.
 Storage battery system: US2000 (1-8 pieces), US3000 (1-8 pieces), FC0048M/FL4874M (2-4 pieces).

Parameters:

Hybrid inverter with storage battery system:		
1) Storage battery system parameters:		
Battery Type	Li-ion	
Model	Manufacturer	Piece(s) of battery module recommended
US2000	Pylon Technologies Co., Ltd.	1-8
US3000	Pylon Technologies Co., Ltd.	1-8
FC0048M/FL4874M	Pylon Technologies Co., Ltd.	2-4
BMS firmware version	V4.6	
2) Hybrid inverter parameters:		
Inverter model name	ATH-3K-TL, ATH-4K-TL, ATH-4.6K-TL, ATH-5K-TL, ATH-6K-TL	
a) PV input:		
Max. input voltage	d.c. 600V	
MPP voltage range	d.c. 90-520V	
Max. input current	d.c. 2x11A	
Isc PV (absolute maximum)	d.c. 2x17.2A	
b) Battery input:		
Battery voltage range	d.c. 42-58V	
Max. charge/discharge current	d.c. 62.5A/62.5A (ATH-3K-TL, ATH-4K-TL) d.c. 100A/100A (ATH-4.6K-TL, ATH-5K-TL, ATH-6K-TL)	
c) AC-output (grid side):		
Rated output voltage	a.c. 230V	
Rated output frequency	50Hz	
Rated output power	3000W (ATH-3K-TL) 3600W (ATH-4K-TL) 4600W (ATH-4.6K-TL) 5000W (ATH-5K-TL) 6000W (ATH-6K-TL)	
Max. apparent output power	3300VA (ATH-3K-TL) 4000VA (ATH-4K-TL) 4600VA (ATH-4.6K-TL) 5500VA (ATH-5K-TL) 6000VA (ATH-6K-TL)	

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Max. output current	a.c. 15.7A (ATH-3K-TL) a.c. 17.3A (ATH-4K-TL) a.c. 23A (ATH-4.6K-TL) a.c. 23.9A (ATH-5K-TL) a.c. 26.1A (ATH-6K-TL)
Displacement factor	-0.8...1...+0.8
d) AC-output (back-up):	
Rated output voltage	a.c. 230V
Rated output frequency	50Hz
Rated output power	3000W (ATH-3K-TL, ATH-4K-TL) 5000W (ATH-4.6K-TL, ATH-5K-TL, ATH-6K-TL)
Rated output current	a.c. 13A (ATH-3K-TL, ATH-4K-TL) a.c. 22A (ATH-4.6K-TL, ATH-5K-TL, ATH-6K-TL)
e) AC-input	
Rated voltage	a.c. 230V
Rated output frequency	50Hz
Current (Maximum continuous)	a.c. 26.1A
f) Other parameters:	
Protection class:	I
Degree of protection:	IP65
Overvoltage category:	II (PV), III (MAINS)
Ambient temperature:	-25°C...+60°C
Firmware version	DSP1: V1F, DSP2: V00, ARM: V2F

DISPOSITIVO DI INTERFACCIA Interface Device	PROTEZIONE DI INTERFACCIA Interface Protection Device	DISPOSITIVO DI CONVERSIONE STATICA Static Conversion Device	DISPOSITIVO DI GENERAZIONE TOTANTE Rotating Device
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Tested according to:

CEI 0-21:2019