

Compliance Document

No. D 001521 0013 Rev. 00

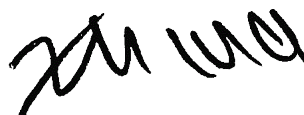
Holder of Certificate: **Aton S.r.l.**
Via Nuova Circonvallazione, 57/B
47923 Rimini (RN)
ITALY

Product: **Converter**
AC-Coupled 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.: 704092008401-00

Date, 2020-09-28


(Zhengdong Ma)

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Model(s):

Inverter models:

ATZ-5K-AC, ATZ-4K-AC, ATZ-3K-AC, ATZ-2K-AC

Battery model:

PYLONTECH: US2000

Parameters:

AC coupled energy inverter with storage battery system:				
1) Storage battery system parameters:				
Battery Type	Li-ion			
Model	Manufacturer	Piece(s) of battery module recommended		
US 2000	Pylon Technologies Co., Ltd.	1-8		
BMS firmware version	V 2.4			
2) Hybrid inverter parameters:				
Inverter model name	ATZ-2K-AC	ATZ-3K-AC	ATZ-4K-AC	ATZ-5K-AC
a) Battery input:				
Battery type	Lithium / Lead-acid	Lithium / Lead-acid	Lithium / Lead-acid	Lithium / Lead-acid
Nominal battery voltage	48 Vd.c.	48 Vd.c.	48 Vd.c.	48 Vd.c.
Nominal battery voltage range	40 Vd.c. - 60 Vd.c.	40 Vd.c. - 60 Vd.c.	40 Vd.c. - 60 Vd.c.	40 Vd.c. - 60 Vd.c.
Max. charging current	42 Ad.c.	62.5 Ad.c.	75 Ad.c.	100 Ad.c.
Max. discharging current	42 Ad.c.	62.5 Ad.c.	75 Ad.c.	100 Ad.c.
b) AC-input				
Nominal input voltage	230 Va.c.	230 Va.c.	230 Va.c.	230 Va.c.
Nominal input frequency	50 Hz	50 Hz	50 Hz	50 Hz
Max. input apparent power	4000 VA	6000 VA	7360 VA	9200 VA
Max. input current	20 Aa.c.	28 Aa.c.	32 Aa.c.	40 Aa.c.

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AC coupled energy inverter with storage battery system:				
c) AC-output (grid side):				
Nominal output active power	2000 W	3000 W	3680 W	4600 W
Max. output apparent power	2200 VA	3300 VA	4050 VA	5100 VA
Nominal output voltage	230 Va.c.	230 Va.c.	230 Va.c.	230 Va.c.
Max. output current	10 Aa.c.	14 Aa.c.	16 Aa.c.	22,8 Aa.c.
Nominal output frequency	50 Hz	50 Hz	50 Hz	50 Hz
Power factor	0.9 leading - 0.9 lagging	0.9 leading - 0.9 lagging	0.9 leading - 0.9 lagging	0.9 leading - 0.9 lagging
d) AC-output (back-up):				
AC output ratings (back-up)				
Max. output apparent power	2000 VA	3000 VA	3680 VA	5000 VA
Nominal output voltage	230 Va.c.	230 Va.c.	230 Va.c.	230 Va.c.
Max. output current	9 Aa.c.	13 Aa.c.	16 Aa.c.	22.8 Aa.c.
Nominal output frequency	50 Hz	50 Hz	50 Hz	50 Hz
Non-electrical parameters				
e) Other parameters:				
Protection class:	I			
Degree of protection:	IP20			
Overvoltage category:	II (PV), III (MAINS)			
Ambient temperature:	-25°C...+60°C			
Firmware version	0707A			

DISPOSITIVO DI INTERFACCIA Interface Device	PROTEZIONE DI INTERFACCIA Interface Protection Device	DISPOSITIVO DI CONVERSIONE STATICA Static Conversion Device	DISPOSITIVO DI GENERAZIONE TOTANTE Rotating Device
☒	☒	☒	☐

**Tested
according to:**

CEI 0-21:2019