

Compliance Document

No. D 103098 0021 Rev. 00

Holder of Certificate: **Fier S.r.l. Unipersonale**

Via Cremona 123
25025 Manerbio (BS)
ITALY

Product: **Converter
(PV grid-interactive inverter)**

Model(s): **AURA 5K-GC, AURA 15K-GC,
AURA 20K-GC, AURA 25K-GC,
AURA 30K-GC**

Parameters: See page 2-3

Tested according to: CEI 0-21:2022
CEI 0-21:2022/V1:2022

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.: 64290233150401

Date, 2023-11-24



(Billy Qiu)

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Parameters:

Model Name	AURA 5K-GC
PV input terminal parameters	
Max. Input Voltage	1100 V d.c.
MPPT Voltage Range	160 V d.c. -1000 V d.c.
MPPT Tracker number	1/1
Max. Input Current	15/15 A d.c.
Shorted Input Current	20/20 A d.c.
AC output terminal parameters	
Rated Output Voltage	3/N/PE~, 230/400 V a.c.
Rated Output Current	7.2 A.a.c.
Max. Output Current	8.4 A a.c.
Rated. Output Power	5000 W
Maximum Output Active Power P_{max}	5500 W
Maximum Output Apparent Power S_{max}	5500 VA
Rated Output Frequency	50 Hz
Power Factor	0.8 inductive to 0.8 capacitive

Model Name	AURA 15K-GC
PV input terminal parameters	
Max. Input Voltage	1100 V d.c.
MPPT Voltage Range	160 V d.c.-1000 V d.c.
MPPT Tracker number	1/2
Max. Input Current	15/30 A d.c.
Shorted Input Current	20/40 A d.c.
AC output terminal parameters	
Rated Output Voltage	3/N/PE~, 230/400 V a.c.
Rated Output Current	21.7 A a.c.
Max. Output Current	25.3 A a.c.
Rated. Output Power	15000 W
Maximum Output Active Power P_{max}	16700 W
Maximum Output Apparent Power S_{max}	16700 VA
Rated Output Frequency	50 Hz
Power Factor	0.8 inductive to 0.8 capacitive

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Model Name	AURA 20K-GC	AURA 25K-GC	AURA 30K-GC
PV input terminal parameters			
Max. Input Voltage	1100 V d.c.		
MPPT Voltage Range	160 V d.c.-1000 V d.c.		
MPPT Tracker number	2/2	2/2	2/2
Max. Input Current	30/30 A d.c.		40/30 A d.c.
Shorted Input Current	40/40 A d.c.		50/37.5 A d.c.
AC output terminal parameters			
Rated Output Voltage	3/N/PE~, 230/400 V a.c.		
Rated Output Current	29.0 A a.c.	36.2 A a.c.	43.5 A a.c.
Max. Output Current	33.7 A a.c.	39.8 A a.c.	50.2 A a.c.
Rated. Output Power	20000W	25000W	30000W
Maximum Output Active Power P_{max}	22000 W	27500 W	33000 W
Maximum Output Apparent Power S_{max}	22000 VA	27500 VA	33000 VA
Rated Output Frequency	50 Hz		
Power Factor	0.8 inductive to 0.8 capacitive		

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The following generators meet the requirements of CEI 0-21:2022						
Section A	Manufacturer	Fier S.r.l. Unipersonale Via Cremona 123, 25025 Manerbio (BS), ITALY				
	Equipment type	PV grid-interactive inverter				
	Brand	Fier				
	Number of phase	<input type="checkbox"/> Single phase <input checked="" type="checkbox"/> Three phase Frequency: 50Hz Voltage: 230/400 Va.c.				
	Primary energy used	<input checked="" type="checkbox"/> Solar <input type="checkbox"/> Storage <input type="checkbox"/> Wind <input type="checkbox"/> Hydroelectric <input type="checkbox"/> CHP <input type="checkbox"/> Other:				
	Generator model	AURA 5K-GC	AURA 15K-GC	AURA 20K-GC	AURA 25K-GC	AURA 30K-GC
	Rated active power output to Grid	5000 W	15000 W	20000W	25000W	30000W
	Maximum apparent power output to Grid	5500 VA	16700 VA	22000 VA	27500 VA	33000 VA
	The generator:	<input checked="" type="checkbox"/> is suitable for installation in systems with an output power of more than 11.08 kW <input checked="" type="checkbox"/> is capable of limiting I _{dc} to 0.5% of rated current: <input checked="" type="checkbox"/> uses a DC-sensitive protection function <input type="checkbox"/> uses a transformer operating at mains frequency				
Section B	Characteristics of the interface protection system					
	Manufacturer	Fier S.r.l. Unipersonale				
	Model	AURA 5K-GC, AURA 15K-GC, AURA 20K-GC, AURA 25K-GC, AURA 30K-GC				
	Type	<input checked="" type="checkbox"/> Integrated <input type="checkbox"/> Not integrated Remark: The application of Model AURA 5K-GC, AURA 15K-GC, AURA 20K-GC, AURA 25K-GC, AURA 30K-GC in system may exceed 11.08kW on grid connection point, external interface protection system is required according to final installation requirement.				
Section C	Characteristics of inverter(s)					
	Model of inverter	AURA 5K-GC	AURA 15K-GC	AURA 20K-GC	AURA 25K-GC	AURA 30K-GC
	Rated power of inverter (PNINV)	5000 W	15000 W	20000W	25000W	30000W
	Manufacturer of inverter	Fier S.r.l. Unipersonale				
	Firmware version	062511				



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Section I	References of the laboratories that performed the tests and their test reports (RdP)	
	Selected method	<input checked="" type="checkbox"/> Tests performed by an accredited laboratory
	Test Reports (RdP)	Test report according to Annex A, Annex B: 64.290.23.31504.01
	Issued by	Testing lab: TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch
	Accreditation No.	D-PL-19065-01-00
	Accreditation body ref.	DAkkS
Section M	Reference of the certification body	
	Certification Body	TÜV SÜD Product Service GmbH
		DAkkS accreditation certificate D-ZE-11321-01-00 according to DIN EN ISO/IEC 17065:2013