

CERTIFICATE

Issued to:

Applicant:

Afore New Energy Technology (Shanghai) Co., Ltd.
Building 7, No.333 Wanfang Rd, Minhang District
201112 Shanghai, China

Licensee:

Afore New Energy Technology (Shanghai) Co., Ltd.
Building 7, No.333 Wanfang Rd, Minhang District
201112 Shanghai, China

Product : Hybrid Inverter
Trade name(s) : Afore
Type(s)/model(s) : AF1.5K-ASL-0, AF1.5K-ASL-1, AF1.5K-SL-0, AF1.5K-SL-1, AF1K-ASL-0, AF1K-ASL-1, AF1K-SL-0, AF1K-SL-1, AF2.5K-ASL-0, AF2.5K-ASL-1, AF2.5K-SL-0, AF2.5K-SL-1, AF2K-ASL-0, AF2K-ASL-1, AF2K-SL-0, AF2K-SL-1, AF3.6K-ASL, AF3.6K-ASL-0, AF3.6K-ASL-1, AF3.6K-SL, AF3.6K-SL-0, AF3.6K-SL-1, AF3K-ASL, AF3K-ASL-0, AF3K-ASL-1, AF3K-SL, AF3K-SL-0, AF3K-SL-1, AF4.6K-ASL, AF4.6K-ASL-0, AF4.6K-SL, AF4.6K-SL-0, AF4.6K-SLP, AF4K-ASL, AF4K-ASL-0, AF4K-SL, AF4K-SL-0, AF4K-SLP, AF5.5K-ASL, AF5.5K-ASL-0, AF5.5K-SL, AF5.5K-SL-0, AF5.5K-SLP, AF5K-ASL, AF5K-ASL-0, AF5K-SL, AF5K-SL-0, AF5K-SLP, AF6K-ASL, AF6K-ASL-0, AF6K-SL, AF6K-SL-0 and AF6K-SLP

The product and any acceptable variation thereof as specified in the Annex to this certificate and the documents referred to therein.

DEKRA hereby declares that the above-mentioned product has been certified based on:

- a type test according to VDE-AR-N 4105:2018 and DIN VDE V 0124-100:2020
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 6069725

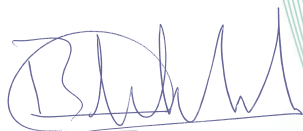
DEKRA hereby grants the right to use the DEKRA Mark.

The DEKRA Mark may be applied to the product as specified in this certificate for the duration and under the conditions of the DEKRA Mark certification agreement.

This certificate is issued on 25 March 2025 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 31-154875

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



Rosa Zhou
Certification Manager

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COUNCIL



31-154875

DEKRA Mark is the new KEMA-KEUR

The DEKRA Mark certificate for this product is to all intents and purposes equivalent to a KEMA-KEUR certificate, the other certification mark used by DEKRA and should be valued and used as such. DEKRA Mark is gradually replacing KEMA-KEUR.

For more information please check: [Introducing DEKRA Mark](#)

SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Hybrid Inverter
Trade name(s)	: Afore
Type(s)/model(s)	: AF1.5K-ASL-0, AF1.5K-ASL-1, AF1.5K-SL-0, AF1.5K-SL-1, AF1K-ASL-0, AF1K-ASL-1, AF1K-SL-0, AF1K-SL-1, AF2.5K-ASL-0, AF2.5K-ASL-1, AF2.5K-SL-0, AF2.5K-SL-1, AF2K-ASL-0, AF2K-ASL-1, AF2K-SL-0, AF2K-SL-1, AF3.6K-ASL, AF3.6K-ASL-0, AF3.6K-ASL-1, AF3.6K-SL, AF3.6K-SL-0, AF3.6K-SL-1, AF3K-ASL, AF3K-ASL-0, AF3K-ASL-1, AF3K-SL, AF3K-SL-0, AF3K-SL-1, AF4.6K-ASL, AF4.6K-ASL-0, AF4.6K-SL, AF4.6K-SL-0, AF4.6K-SLP, AF4K-ASL, AF4K-ASL-0, AF4K-SL, AF4K-SL-0, AF4K-SLP, AF5.5K-ASL, AF5.5K-ASL-0, AF5.5K-SL, AF5.5K-SL-0, AF5.5K-SLP, AF5K-ASL, AF5K-ASL-0, AF5K-SL, AF5K-SL-0, AF5K-SLP, AF6K-ASL, AF6K-ASL-0, AF6K-SL, AF6K-SL-0 and AF6K-SLP
Rated voltage	: L/N/PE, 220Vac, 230Vac
Rated frequency	: 50 / 60 Hz
Class	: I
Degree of protection	: IP65 / IP66
Software version	: V02

Product data – type AF1.5K-ASL-0, AF1.5K-ASL-1, AF1.5K-SL-0 and AF1.5K-SL-1

Max. active power $P_{E_{max}}$	: 1500 W
Max. apparent power $S_{E_{max}}$	: 1500 VA
Rated current	: 6.6 A

Product data – type AF1K-ASL-0, AF1K-ASL-1, AF1K-SL-0 and AF1K-SL-1

Max. active power $P_{E_{max}}$	: 1000 W
Max. apparent power $S_{E_{max}}$	: 1000 VA
Rated current	: 4.4 A

Product data – type AF2.5K-ASL-0, AF2.5K-ASL-1, AF2.5K-SL-0 and AF2.5K-SL-1

Max. active power $P_{E_{max}}$	: 2500 W
Max. apparent power $S_{E_{max}}$	: 2500 VA
Rated current	: 10.9 A

Product data – type AF2K-ASL-0, AF2K-ASL-1, AF2K-SL-0 and AF2K-SL-1

Max. active power $P_{E_{max}}$	: 2000 W
Max. apparent power $S_{E_{max}}$	: 2000 VA
Rated current	: 8.7 A

Product data – type AF3.6K-ASL, AF3.6K-ASL-0, AF3.6K-ASL-1, AF3.6K-SL, AF3.6K-SL-0 and AF3.6K-SL-1

Max. active power $P_{E_{max}}$	: 3600 W
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Max. apparent power $S_{E_{max}}$: 3600 VA
Rated current : 15.7 A

Product data – type AF3K-ASL, AF3K-ASL-0, AF3K-ASL-1, AF3K-SL, AF3K-SL-0 and AF3K-SL-1

Max. active power $P_{E_{max}}$: 3000 W
Max. apparent power $S_{E_{max}}$: 3000 VA
Rated current : 13.1 A

Product data – type AF4.6K-ASL, AF4.6K-ASL-0, AF4.6K-SL, AF4.6K-SL-0 and AF4.6K-SLP

Max. active power $P_{E_{max}}$: 4600 W
Max. apparent power $S_{E_{max}}$: 4600 VA
Rated current : 20 A

Product data – type AF4K-ASL, AF4K-ASL-0, AF4K-SL, AF4K-SL-0 and AF4K-SLP

Max. active power $P_{E_{max}}$: 4000 W
Max. apparent power $S_{E_{max}}$: 4000 VA
Rated current : 17.4 A

Product data – type AF5.5K-ASL, AF5.5K-ASL-0, AF5.5K-SL, AF5.5K-SL-0 and AF5.5K-SLP

Max. active power $P_{E_{max}}$: 5500 W
Max. apparent power $S_{E_{max}}$: 5500 VA
Rated current : 24 A

Product data – type AF5K-ASL, AF5K-ASL-0, AF5K-SL, AF5K-SL-0 and AF5K-SLP

Max. active power $P_{E_{max}}$: 5000 W
Max. apparent power $S_{E_{max}}$: 5000 VA
Rated current : 21.8 A

Product data – type AF6K-ASL, AF6K-ASL-0, AF6K-SL, AF6K-SL-0 and AF6K-SLP

Max. active power $P_{E_{max}}$: 6000 W
Max. apparent power $S_{E_{max}}$: 6000 VA
Rated current : 26.1 A

TESTS

Test requirements

VDE-AR-N 4105:2018
DIN VDE V 0124-100:2020

Test result

The test results are documented in DEKRA test file 621751200.

Additional information

The PGU is intended for use with an external symmetry device according to VDE-AR-N 4100, 5.5.2, to ensure compliance with the maximum permissible asymmetry ≤ 4.6 kVA.

The list of components is laid down in test report 6217512.50.

Conclusion

The examination has confirmed that all requirements were met.

Factory location

Afore New Energy Technology (Shanghai) Co., Ltd.
Building 7, No.333 Wanfang Rd, Minhang District
201112 Shanghai, China

Trade name(s): Afore stands for:



E.5 Test report “Utility interactive” for power generation units (VDE-AR-N 4105:2018-11) E.5 Prüfbericht „Netzurückwirkungen“ für Erzeugungseinheiten						
Extract from test report for unit certificate "Determination of electrical properties" Auszug aus dem Prüfbericht für Gerätezertifikat "Bestimmung elektrischer Eigenschaften"			Report No.: 6217512.50 Bericht Nr.:			
Manufacturer: Anlagenhersteller	Afore New Energy Technology (Shanghai) Co., Ltd.					
anufacturer specifications: Herstellerangaben	System Type: Anlagenart:	Hybird-inverter Hybird -WR				
	maximum active power P _{Emax} : maximale Wirkleistung P _{Emax} :	AF1K-SL-1	AF1.5K-SL-1	AF2K-SL-1	AF2.5K-SL-1	AF3K-SL-1
		AF1K-ASL-1	AF1.5K-ASL-1	AF2K-ASL-1	AF2.5K-ASL-1	AF3K-ASL-1
		1(kW)	1.5(kW)	2(kW)	2.5(kW)	3(kW)
		AF3.6K-SL-1	AF3K-SL	AF3.6K-SL	AF4K-SL	AF4.6K-SL
		AF3.6K-ASL-1	AF3K-ASL	AF3.6K-ASL		
		3.6(kW)	3(kW)	3.6(kW)	4(kW)	4.6(kW)
		AF5K-SL	AF5.5K-SL	AF6K-SL	AF4K-SLP	AF4.6K-SLP
		5(kW)	5.5(kW)	6(kW)	AF4K-ASL	AF4.6K-ASL
		AF5K-SLP	AF5.5K-SLP	AF6K-SLP	AF1K-SL-0	AF1.5K-SL-0
		AF5K-ASL	AF5.5K-ASL	AF6K-ASL	AF1K-ASL-0	AF1.5K-ASL-0
		5(kW)	5.5(kW)	6(kW)	1(kW)	1.5(kW)
		AF2K-SL-0	AF2.5K-SL-0	AF3K-SL-0	AF3.6K-SL-0	AF4K-SL-0
		AF2K-ASL-0	AF2.5K-ASL-0	AF3K-ASL-0	AF3.6K-ASL-0	AF4K-ASL-0
		2(kW)	2.5(kW)	3(kW)	3.6(kW)	4(kW)
		AF4.6K-SL-0	AF5K-SL-0	AF5.5K-SL-0	AF6K-SL-0	--
		AF4.6K-ASL-0	AF5K-ASL-0	AF5.5K-ASL-0	AF6K-ASL-0	
		4.6(kW)	5(kW)	5.5(kW)	6(kW)	
		Rated voltage: Bemessungsspannung:	L/N/PE, 220Vac, 230Vac			
	Measuring period: Messzeitraum:	From 2023-01-04 to 2023-05-05 Vom 2023-01-04 bis 2023-05-05				
Model / Modell: AF6K-SL						
Rapid voltage changes Schnelle Spannungsänderungen						
Switching on without specification Einschalten ohne Vorgabe (zum Primärenergieträger)			k _i : 0.070			
Most unfavorable case when switching the generator Ungünstigster Fall beim Umschalten der Generatorstufen			k _i : 0.094			
Switching on at rated power Einschalten bei Nennbedingungen (des Primärenergieträgers)			k _i : 0.099			
Switch off at rated power Ausschalten bei Bemessungsleistung			k _i : 0.701			
Worst-case value of all switching operations Schlechtester Wert aller Schaltvorgänge			k _{imax} : 0.701			

Flicker	Angle of network impedance ψ_k Netzimpedanzwinkel ψ_k	30°	50°	70°	85°
	Coefficient of system flicker c_ψ : Anlagenflickerbeiwert c_ψ	16.080	17.440	19.840	19.800
Short-Circuit Power (S_k): 561 kVA					

Harmonics / Oberschwingungen: Model / Modell: AF6K-SL Tested according to DIN VDE V 0124-100 clause 5.2.4 / <i>geprüft nach DIN VDE V 0124-100 Punkt 5.2.4</i>										
Active power Wirkleistung P/P _n [%]	10	20	30	40	50	60	70	80	90	100
Harmonic order Ordnungszahl	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]
2	0.042	0.038	0.061	0.050	0.034	0.054	0.038	0.042	0.065	0.034
3	0.629	0.498	0.487	0.705	1.008	1.108	1.253	1.997	2.254	2.541
4	0.015	0.011	0.023	0.084	0.050	0.107	0.107	0.031	0.096	0.042
5	0.314	0.314	0.326	0.475	0.675	0.705	0.732	1.100	1.165	1.234
6	0.008	0.019	0.023	0.046	0.027	0.019	0.011	0.153	0.069	0.084
7	0.100	0.222	0.268	0.356	0.494	0.537	0.556	0.782	0.824	0.866
8	0.015	0.027	0.023	0.019	0.019	0.050	0.038	0.180	0.080	0.057
9	0.073	0.195	0.218	0.307	0.379	0.399	0.445	0.575	0.571	0.586
10	0.019	0.031	0.019	0.034	0.019	0.027	0.073	0.080	0.069	0.100
11	0.096	0.115	0.169	0.218	0.318	0.307	0.322	0.452	0.452	0.441
12	0.015	0.027	0.027	0.031	0.023	0.019	0.080	0.096	0.050	0.027
13	0.107	0.077	0.153	0.199	0.238	0.276	0.253	0.307	0.337	0.341
14	0.008	0.034	0.034	0.019	0.031	0.015	0.069	0.065	0.073	0.031
15	0.065	0.046	0.119	0.161	0.203	0.215	0.249	0.222	0.234	0.245
16	0.019	0.011	0.038	0.031	0.023	0.023	0.054	0.015	0.057	0.038
17	0.023	0.034	0.107	0.146	0.184	0.184	0.203	0.215	0.161	0.165
18	0.015	0.019	0.031	0.046	0.015	0.031	0.050	0.073	0.119	0.042
19	0.015	0.015	0.077	0.111	0.130	0.176	0.161	0.199	0.172	0.130
20	0.031	0.038	0.023	0.038	0.027	0.015	0.015	0.130	0.123	0.042
21	0.073	0.019	0.065	0.080	0.111	0.107	0.130	0.134	0.146	0.111
22	0.019	0.038	0.034	0.015	0.034	0.034	0.065	0.111	0.050	0.057
23	0.057	0.015	0.050	0.077	0.080	0.103	0.138	0.100	0.130	0.126
24	0.015	0.019	0.038	0.034	0.046	0.027	0.023	0.046	0.065	0.088
25	0.042	0.019	0.042	0.057	0.069	0.092	0.084	0.103	0.069	0.096
26	0.023	0.019	0.019	0.050	0.015	0.034	0.027	0.042	0.100	0.088
27	0.046	0.034	0.038	0.050	0.054	0.050	0.077	0.069	0.050	0.050
28	0.011	0.019	0.027	0.023	0.050	0.027	0.031	0.038	0.061	0.031
29	0.038	0.019	0.019	0.027	0.034	0.054	0.073	0.057	0.065	0.038
30	0.011	0.027	0.027	0.042	0.031	0.034	0.034	0.038	0.027	0.054
31	0.038	0.027	0.023	0.034	0.038	0.038	0.034	0.042	0.031	0.027
32	0.015	0.027	0.027	0.019	0.015	0.038	0.023	0.023	0.031	0.061
33	0.027	0.015	0.019	0.027	0.027	0.034	0.046	0.042	0.031	0.027
34	0.015	0.015	0.023	0.015	0.023	0.023	0.031	0.015	0.042	0.034
35	0.034	0.019	0.019	0.023	0.023	0.023	0.031	0.015	0.015	0.015
36	0.011	0.019	0.011	0.019	0.011	0.023	0.019	0.027	0.031	0.027
37	0.023	0.023	0.011	0.019	0.023	0.027	0.023	0.034	0.019	0.015
38	0.011	0.011	0.015	0.011	0.011	0.023	0.023	0.019	0.015	0.038
39	0.031	0.023	0.019	0.015	0.015	0.019	0.023	0.019	0.019	0.019
40	0.008	0.011	0.011	0.008	0.011	0.015	0.023	0.011	0.023	0.023
Remark / Bemerkung: The maximal value of three phases is selected. / <i>Die maximalwerte der drei Phasen werden gewählt.</i>										

Interharmonics / Zwischenharmonische:										
Model / Modell: AF6K-SL										
Tested according to DIN VDE V 0124-100 clause 5.2.4 / geprüft nach DIN VDE V 0124-100 Punkt 5.2.4										
Active power Wirkleistung P/P _n [%]	10	20	30	40	50	60	70	80	90	100
Frequency Frequenz [Hz]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]
75	0.011	0.034	0.034	0.073	0.080	0.096	0.031	0.111	0.031	0.034
125	0.011	0.015	0.015	0.023	0.027	0.031	0.015	0.038	0.019	0.019
175	0.011	0.015	0.015	0.019	0.023	0.027	0.015	0.031	0.019	0.019
225	0.011	0.011	0.011	0.015	0.019	0.023	0.011	0.027	0.019	0.019
275	0.011	0.011	0.011	0.015	0.019	0.019	0.015	0.027	0.019	0.019
325	0.011	0.011	0.011	0.015	0.015	0.019	0.015	0.023	0.019	0.019
375	0.011	0.011	0.011	0.011	0.015	0.019	0.011	0.023	0.019	0.019
425	0.011	0.011	0.011	0.011	0.015	0.019	0.011	0.023	0.019	0.019
475	0.011	0.011	0.011	0.011	0.015	0.015	0.015	0.019	0.019	0.015
525	0.011	0.011	0.011	0.011	0.015	0.015	0.011	0.019	0.015	0.015
575	0.011	0.011	0.011	0.011	0.015	0.015	0.011	0.019	0.015	0.015
625	0.011	0.011	0.011	0.011	0.015	0.015	0.011	0.019	0.015	0.015
675	0.011	0.011	0.011	0.011	0.015	0.015	0.011	0.019	0.015	0.015
725	0.011	0.011	0.011	0.011	0.015	0.015	0.011	0.019	0.015	0.015
775	0.011	0.011	0.011	0.011	0.015	0.015	0.015	0.019	0.015	0.015
825	0.011	0.011	0.011	0.011	0.015	0.015	0.015	0.019	0.015	0.015
875	0.015	0.011	0.015	0.015	0.015	0.015	0.015	0.019	0.019	0.019
925	0.015	0.015	0.015	0.015	0.015	0.019	0.019	0.019	0.019	0.019
975	0.015	0.011	0.015	0.011	0.015	0.015	0.015	0.015	0.015	0.019
1025	0.011	0.015	0.015	0.015	0.015	0.015	0.019	0.019	0.019	0.019
1075	0.015	0.015	0.019	0.015	0.015	0.015	0.015	0.015	0.015	0.019
1125	0.015	0.015	0.015	0.015	0.015	0.015	0.019	0.015	0.015	0.019
1175	0.015	0.015	0.015	0.015	0.015	0.019	0.019	0.019	0.019	0.019
1225	0.019	0.015	0.019	0.015	0.019	0.019	0.019	0.019	0.019	0.019
1275	0.019	0.015	0.019	0.015	0.015	0.019	0.019	0.019	0.019	0.019
1325	0.019	0.019	0.019	0.019	0.019	0.023	0.023	0.019	0.019	0.023
1375	0.023	0.019	0.027	0.019	0.023	0.019	0.019	0.019	0.019	0.023
1425	0.019	0.019	0.019	0.019	0.019	0.023	0.023	0.019	0.019	0.023
1475	0.038	0.023	0.042	0.031	0.038	0.027	0.027	0.027	0.023	0.031
1525	0.019	0.031	0.019	0.031	0.023	0.034	0.034	0.031	0.034	0.031
1575	0.023	0.019	0.027	0.019	0.023	0.019	0.019	0.019	0.019	0.023
1625	0.019	0.019	0.019	0.023	0.019	0.023	0.023	0.019	0.023	0.023
1675	0.019	0.019	0.023	0.019	0.019	0.019	0.023	0.019	0.019	0.023
1725	0.015	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
1775	0.019	0.019	0.019	0.023	0.019	0.023	0.023	0.019	0.023	0.023
1825	0.023	0.015	0.023	0.019	0.023	0.019	0.019	0.019	0.019	0.023
1875	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
1925	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
1975	0.015	0.011	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
Remark / Bemerkung:										
The maximal value of three phases is selected. / Die maximalwerte der drei Phasen werden gewählt.										

Higher Frequencies / Höhere Frequenzen: Model / Modell: AF6K-SL Tested according to DIN VDE V 0124-100 clause 5.2.4 / geprüft nach DIN VDE V 0124-100 Punkt 5.2.4										
Active power Wirkleistung P/P _n [%]	10	20	30	40	50	60	70	80	90	100
Frequency Frequenz [kHz]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]
2.1	0.008	0.011	0.008	0.011	0.008	0.023	0.015	0.011	0.015	0.023
2.3	0.011	0.011	0.011	0.015	0.011	0.008	0.008	0.015	0.011	0.011
2.5	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.011
2.7	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
2.9	0.008	0.008	0.008	0.008	0.004	0.004	0.004	0.008	0.004	0.008
3.1	0.008	0.008	0.004	0.004	0.004	0.004	0.008	0.008	0.008	0.008
3.3	0.019	0.027	0.019	0.031	0.027	0.023	0.023	0.023	0.023	0.023
3.5	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.008
3.7	0.004	0.004	0.004	0.004	0.004	0.004	0.008	0.004	0.008	0.008
3.9	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.008	0.008	0.008
4.1	0.004	0.004	0.004	0.004	0.004	0.008	0.008	0.008	0.004	0.008
4.3	0.004	0.004	0.004	0.004	0.004	0.008	0.008	0.008	0.008	0.008
4.5	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.008	0.008
4.7	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.008
4.9	0.004	0.004	0.004	0.004	0.004	0.004	0.008	0.004	0.004	0.004
5.1	0.004	0.008	0.004	0.008	0.008	0.008	0.008	0.008	0.008	0.008
5.3	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
5.5	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
5.7	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
5.9	0.004	0.004	0.004	0.004	0.004	0.004	0.008	0.004	0.004	0.008
6.1	0.004	0.004	0.004	0.004	0.004	0.004	0.008	0.004	0.004	0.008
6.3	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
6.5	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.008
6.7	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
6.9	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
7.1	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.008	0.004	0.004
7.3	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
7.5	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
7.7	0.004	0.008	0.008	0.008	0.004	0.008	0.004	0.004	0.004	0.008
7.9	0.019	0.019	0.019	0.015	0.019	0.019	0.019	0.019	0.019	0.015
8.1	0.008	0.011	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
8.3	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.004	0.004	0.008
8.5	0.008	0.008	0.008	0.008	0.004	0.008	0.008	0.008	0.008	0.008
8.7	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
8.9	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
Remark / Bemerkung: The maximal value of three phases is selected. / Die maximalwerte der drei Phasen werden gewählt.										

Harmonics / Oberschwingungen: Model / Modell: AF1K-SL-1 Tested according to DIN VDE V 0124-100 clause 5.2.4 / <i>geprüft nach DIN VDE V 0124-100 Punkt 5.2.4</i>										
Active power Wirkleistung P/P _n [%]	10	20	30	40	50	60	70	80	90	100
Harmonic order Ordnungszahl	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]
2	0.015	0.038	0.023	0.019	0.023	0.027	0.019	0.023	0.034	0.034
3	0.525	0.395	0.667	0.705	0.671	0.629	0.590	0.560	0.544	0.540
4	0.008	0.027	0.008	0.011	0.008	0.015	0.011	0.011	0.015	0.019
5	0.291	0.307	0.084	0.138	0.261	0.318	0.337	0.341	0.337	0.318
6	0.015	0.015	0.011	0.008	0.008	0.015	0.019	0.019	0.023	0.023
7	0.130	0.195	0.287	0.153	0.015	0.107	0.157	0.184	0.192	0.207
8	0.008	0.019	0.011	0.015	0.015	0.019	0.015	0.011	0.015	0.011
9	0.077	0.138	0.115	0.169	0.134	0.073	0.023	0.042	0.096	0.157
10	0.019	0.019	0.015	0.019	0.019	0.019	0.019	0.027	0.027	0.011
11	0.092	0.115	0.065	0.077	0.119	0.096	0.057	0.008	0.046	0.080
12	0.011	0.011	0.011	0.011	0.011	0.015	0.023	0.027	0.023	0.019
13	0.080	0.092	0.115	0.061	0.069	0.107	0.092	0.054	0.015	0.054
14	0.011	0.015	0.015	0.008	0.008	0.011	0.011	0.011	0.015	0.023
15	0.092	0.103	0.077	0.100	0.027	0.069	0.065	0.042	0.027	0.019
16	0.011	0.011	0.015	0.015	0.019	0.015	0.019	0.019	0.019	0.027
17	0.100	0.100	0.092	0.077	0.061	0.027	0.050	0.057	0.050	0.023
18	0.011	0.011	0.015	0.011	0.015	0.019	0.015	0.015	0.023	0.027
19	0.100	0.103	0.088	0.042	0.057	0.011	0.019	0.031	0.038	0.027
20	0.015	0.019	0.019	0.027	0.027	0.027	0.027	0.031	0.027	0.011
21	0.096	0.103	0.092	0.088	0.065	0.065	0.042	0.057	0.054	0.023
22	0.011	0.015	0.011	0.015	0.015	0.019	0.023	0.023	0.019	0.027
23	0.077	0.084	0.073	0.065	0.042	0.057	0.031	0.023	0.031	0.031
24	0.015	0.019	0.019	0.015	0.019	0.019	0.015	0.011	0.015	0.034
25	0.069	0.077	0.073	0.057	0.057	0.046	0.042	0.023	0.031	0.023
26	0.015	0.015	0.015	0.015	0.019	0.023	0.023	0.023	0.019	0.019
27	0.057	0.073	0.069	0.069	0.061	0.042	0.054	0.042	0.031	0.046
28	0.023	0.023	0.019	0.015	0.015	0.015	0.015	0.015	0.019	0.015
29	0.054	0.065	0.061	0.057	0.038	0.034	0.034	0.023	0.015	0.023
30	0.023	0.023	0.023	0.015	0.023	0.023	0.023	0.015	0.023	0.027
31	0.050	0.054	0.057	0.046	0.038	0.038	0.027	0.034	0.023	0.027
32	0.015	0.015	0.019	0.015	0.015	0.015	0.019	0.019	0.027	0.027
33	0.034	0.034	0.038	0.034	0.034	0.027	0.023	0.027	0.019	0.015
34	0.015	0.015	0.011	0.011	0.015	0.015	0.015	0.015	0.011	0.015
35	0.034	0.038	0.042	0.038	0.038	0.031	0.031	0.027	0.023	0.019
36	0.015	0.011	0.011	0.011	0.015	0.015	0.015	0.011	0.015	0.015
37	0.027	0.031	0.031	0.027	0.023	0.023	0.019	0.015	0.023	0.015
38	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
39	0.038	0.042	0.038	0.038	0.034	0.034	0.027	0.023	0.027	0.023
40	0.011	0.015	0.011	0.011	0.011	0.008	0.008	0.008	0.011	0.011
Remark / Bemerkung: The maximal value of three phases is selected. / <i>Die maximalwerte der drei Phasen werden gewählt.</i>										

Interharmonics / Zwischenharmonische:										
Model / Modell: AF1K-SL-1										
Tested according to DIN VDE V 0124-100 clause 5.2.4 / geprüft nach DIN VDE V 0124-100 Punkt 5.2.4										
Active power Wirkleistung P/P _n [%]	10	20	30	40	50	60	70	80	90	100
Frequency Frequenz [Hz]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]
75	0.011	0.015	0.011	0.019	0.015	0.027	0.019	0.031	0.073	0.034
125	0.011	0.011	0.011	0.011	0.011	0.015	0.011	0.015	0.023	0.023
175	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.019	0.023
225	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.015	0.019
275	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.015	0.019
325	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.015	0.019
375	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.015	0.019
425	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.019
475	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.015
525	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.015
575	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.015
625	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.015
675	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.015
725	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.015
775	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.015
825	0.011	0.015	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.015
875	0.015	0.015	0.015	0.015	0.011	0.015	0.011	0.015	0.015	0.015
925	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.019
975	0.015	0.015	0.015	0.015	0.011	0.011	0.011	0.011	0.015	0.015
1025	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.019
1075	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
1125	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.019
1175	0.015	0.019	0.019	0.019	0.015	0.015	0.015	0.015	0.015	0.019
1225	0.019	0.019	0.019	0.019	0.015	0.015	0.015	0.015	0.015	0.019
1275	0.019	0.019	0.019	0.015	0.015	0.015	0.015	0.015	0.015	0.019
1325	0.019	0.019	0.023	0.019	0.019	0.019	0.019	0.019	0.019	0.023
1375	0.023	0.023	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
1425	0.019	0.019	0.023	0.023	0.023	0.019	0.019	0.023	0.023	0.023
1475	0.038	0.031	0.023	0.027	0.023	0.031	0.031	0.027	0.023	0.023
1525	0.023	0.027	0.034	0.034	0.034	0.031	0.031	0.034	0.034	0.038
1575	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
1625	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.023
1675	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
1725	0.015	0.015	0.019	0.002	0.002	0.002	0.002	0.002	0.002	0.002
1775	0.019	0.019	0.019	0.002	0.019	0.019	0.019	0.019	0.019	0.023
1825	0.019	0.019	0.015	0.019	0.015	0.019	0.019	0.019	0.019	0.019
1875	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
1925	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
1975	0.015	0.015	0.015	0.015	0.015	0.015	0.011	0.015	0.015	0.015
Remark / Bemerkung:										
The maximal value of three phases is selected. / Die maximalwerte der drei Phasen werden gewählt.										

Higher Frequencies / Höhere Frequenzen: Model / Modell: AF1K-SL-1 Tested according to DIN VDE V 0124-100 clause 5.2.4 / geprüft nach DIN VDE V 0124-100 Punkt 5.2.4										
Active power Wirkleistung P/P _n [%]	10	20	30	40	50	60	70	80	90	100
Frequency Frequenz [kHz]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]
2.1	0.015	0.015	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
2.3	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.008	0.008
2.5	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.011
2.7	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
2.9	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
3.1	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
3.3	0.023	0.019	0.023	0.023	0.023	0.027	0.027	0.023	0.019	0.027
3.5	0.004	0.004	0.004	0.008	0.004	0.004	0.004	0.004	0.004	0.004
3.7	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
3.9	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
4.1	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
4.3	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
4.5	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
4.7	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
4.9	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
5.1	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
5.3	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
5.5	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
5.7	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
5.9	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
6.1	0.004	0.004	0.004	0.004	0.004	0.004	0.008	0.008	0.004	0.004
6.3	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
6.5	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
6.7	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
6.9	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
7.1	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
7.3	0.004	0.008	0.004	0.008	0.004	0.004	0.004	0.004	0.004	0.008
7.5	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
7.7	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.008	0.008
7.9	0.019	0.023	0.019	0.023	0.019	0.019	0.015	0.019	0.019	0.019
8.1	0.008	0.008	0.008	0.008	0.008	0.011	0.011	0.011	0.011	0.011
8.3	0.008	0.008	0.008	0.008	0.008	0.004	0.008	0.008	0.008	0.011
8.5	0.008	0.008	0.008	0.008	0.004	0.008	0.004	0.008	0.008	0.008
8.7	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
8.9	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
Remark / Bemerkung: The maximal value of three phases is selected. / Die maximalwerte der drei Phasen werden gewählt.										