

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 : Grid-connected PV inverter
Trade name(s) : Afore
Type(s)/model(s) : BNT003KTL, BNT004KTL, BNT005KTL, BNT006KTL, BNT008KTL,
BNT010KTL, BNT012KTL, BNT013KTL, BNT015KTL, BNT017KTL,
BNT020KTL, BNT025KTL and BNT030KTL

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

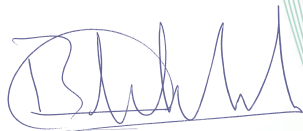
DEKRA hereby grants the right to use the DEKRA Mark.

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 26 March 2025 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 31-154806

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



Matilde Tonsi
Certification Manager

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DUTCH ACCREDITATION
COUNCIL



31-154806

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	: Grid-connected PV inverter
Trade name(s)	: Afore
Type(s)/model(s)	: BNT003KTL, BNT004KTL, BNT005KTL, BNT006KTL, BNT008KTL, BNT010KTL, BNT012KTL, BNT013KTL, BNT015KTL, BNT017KTL, BNT020KTL, BNT025KTL and BNT030KTL
Rated voltage	: 3P+N+PE / 3P+PE, 230 / 400 Vac
Rated frequency	: 50 / 60 Hz
Class	: I
Degree of protection	: IP 66
Software version	: V06

Product data – type BNT003KTL

Max. active power $P_{E_{max}}$	: 3000 W
Max. apparent power $S_{E_{max}}$	: 3000 VA
Rated current	: 4.4 A

Product data – type BNT004KTL

Max. active power $P_{E_{max}}$	: 4000 W
Max. apparent power $S_{E_{max}}$	: 4000 VA
Rated current	: 5.8 A

Product data – type BNT005KTL

Max. active power $P_{E_{max}}$	: 5000 W
Max. apparent power $S_{E_{max}}$	: 5000 VA
Rated current	: 7.3 A

Product data – type BNT006KTL

Max. active power $P_{E_{max}}$	: 6000 W
Max. apparent power $S_{E_{max}}$	: 6000 VA
Rated current	: 8.7 A

Product data – type BNT008KTL

Max. active power $P_{E_{max}}$	: 8000 W
Max. apparent power $S_{E_{max}}$	: 8000 VA
Rated current	: 11.6 A

Product data – type BNT010KTL

Max. active power $P_{E_{max}}$	: 10000 W
Max. apparent power $S_{E_{max}}$	: 10000 VA
Rated current	: 14.5 A

Product data – type BNT012KTL

Max. active power $P_{E_{max}}$: 12000 W
Max. apparent power $S_{E_{max}}$: 12000 VA
Rated current : 17.4 A

Product data – type BNT013KTL

Max. active power $P_{E_{max}}$: 13000 W
Max. apparent power $S_{E_{max}}$: 13000 VA
Rated current : 18.9 A

Product data – type BNT015KTL

Max. active power $P_{E_{max}}$: 15000 W
Max. apparent power $S_{E_{max}}$: 15000 VA
Rated current : 21.8 A

Product data – type BNT017KTL

Max. active power $P_{E_{max}}$: 17000 W
Max. apparent power $S_{E_{max}}$: 17000 VA
Rated current : 24.7 A

Product data – type BNT020KTL

Max. active power $P_{E_{max}}$: 20000 W
Max. apparent power $S_{E_{max}}$: 20000 VA
Rated current : 29 A

Product data – type BNT025KTL

Max. active power $P_{E_{max}}$: 25000 W
Max. apparent power $S_{E_{max}}$: 25000 VA
Rated current : 36.3 A

Product data – type BNT030KTL

Max. active power $P_{E_{max}}$: 30000 W
Max. apparent power $S_{E_{max}}$: 30000 VA
Rated current : 43.5 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 621734600.

Additional information

The list of components is laid down in test report 6217346.50.

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.: 6217346.50 Bericht Nr.:			
Manufacturer: Anlagenhersteller		Afore New Energy Technology (Shanghai) Co., Ltd.					
Manufacturer specifications: Herstellerangaben		Typ: Anlagenart:		PV-inverter PV -WR			
		maximum active power P _{Emax} : maximale Wirkleistung P _{Emax} :		BNT003KTL	BNT004KTL	BNT005KTL	BNT006KTL
				3(kW)	4(kW)	5(kW)	6(kW)
				BNT008KTL	BNT010KTL	BNT012KTL	BNT013KTL
				8(kW)	10(kW)	12(kW)	13(kW)
				BNT015KTL	BNT017KTL	BNT020KTL	BNT025KTL
				15(kW)	17(kW)	20(kW)	25(kW)
				BNT030KTL	--	--	--
		Rated voltage: Bemessungsspannung:		3P+N+PE / 3P+PE 230/400 Vac			
Measuring period: Messzeitraum:		From 2023-01-08 to 2023-03-06 Vom 2023-01-08 bis 2023-03-06					
Model / Modell: BNT030KTL							
Rapid voltage changes Schnelle Spannungsänderungen							
Switching on without specification Einschalten ohne Vorgabe (zum Primärenergieträger)				k _i :	0.100		
Most unfavorable case when switching the generator Ungünstigster Fall beim Umschalten der Generatorstufen				k _i :	0.103		
Switching on at rated power Einschalten bei Nennbedingungen (des Primärenergieträgers)				k _i :	0.101		
Switch off at rated power Ausschalten bei Bemessungsleistung				k _i :	0.680		
Worst-case value of all switching operations Schlechtester Wert aller Schaltvorgänge				k _{i max} :	0.680		
Flicker	Angle of network impedance ψ_k Netzimpedanzwinkel ψ_k	30°	50°	70°	85°		
	Coefficient of system flicker c_ψ : Anlagenflickerbeiwert c_ψ	9.836	9.631	7.349	6.489		
Short-Circuit Power (S _k): 561 kVA							

Harmonics / Oberschwingungen: Model / Modell: BNT030KTL 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	0.186	0.192	0.269	0.286	0.341	0.176	0.229	0.242	0.176	0.227
3	0.050	0.044	0.078	0.146	0.119	0.091	0.120	0.153	0.177	0.261
4	0.091	0.121	0.178	0.241	0.285	0.201	0.187	0.173	0.159	0.156
5	0.278	0.328	0.361	0.324	0.338	0.323	0.330	0.359	0.376	0.390
6	0.019	0.026	0.049	0.052	0.073	0.033	0.043	0.049	0.031	0.046
7	0.226	0.219	0.166	0.233	0.191	0.212	0.251	0.253	0.246	0.254
8	0.023	0.031	0.023	0.051	0.069	0.022	0.024	0.033	0.031	0.030
9	0.029	0.028	0.028	0.063	0.032	0.028	0.034	0.038	0.032	0.038
10	0.017	0.021	0.088	0.086	0.070	0.041	0.041	0.036	0.032	0.031
11	0.201	0.521	0.466	0.502	0.581	0.647	0.619	0.626	0.617	0.601
12	0.015	0.012	0.032	0.035	0.037	0.018	0.024	0.021	0.019	0.019
13	0.262	0.391	0.310	0.331	0.424	0.452	0.413	0.394	0.364	0.319
14	0.020	0.012	0.022	0.022	0.021	0.028	0.029	0.026	0.030	0.027
15	0.028	0.028	0.030	0.028	0.025	0.025	0.031	0.034	0.019	0.032
16	0.018	0.013	0.068	0.060	0.046	0.058	0.054	0.049	0.048	0.043
17	0.333	0.177	0.332	0.330	0.280	0.228	0.213	0.181	0.164	0.152
18	0.014	0.012	0.020	0.028	0.023	0.017	0.021	0.021	0.018	0.019
19	0.252	0.105	0.174	0.217	0.202	0.104	0.083	0.107	0.155	0.180
20	0.018	0.016	0.029	0.049	0.050	0.043	0.050	0.038	0.028	0.033
21	0.026	0.026	0.024	0.024	0.024	0.026	0.025	0.028	0.037	0.037
22	0.021	0.019	0.033	0.043	0.056	0.049	0.050	0.039	0.026	0.030
23	0.092	0.126	0.175	0.172	0.123	0.137	0.121	0.114	0.096	0.069
24	0.016	0.017	0.016	0.020	0.019	0.017	0.024	0.022	0.018	0.020
25	0.143	0.140	0.076	0.107	0.074	0.064	0.105	0.131	0.135	0.153
26	0.014	0.021	0.016	0.054	0.051	0.040	0.036	0.029	0.028	0.021
27	0.025	0.026	0.022	0.025	0.023	0.020	0.025	0.019	0.024	0.037
28	0.012	0.015	0.017	0.028	0.036	0.021	0.019	0.022	0.022	0.027
29	0.119	0.129	0.068	0.090	0.095	0.099	0.086	0.066	0.057	0.058
30	0.014	0.013	0.017	0.017	0.017	0.013	0.019	0.018	0.016	0.020
31	0.077	0.092	0.039	0.061	0.051	0.042	0.054	0.064	0.065	0.082
32	0.013	0.013	0.019	0.044	0.040	0.032	0.031	0.025	0.021	0.019
33	0.024	0.041	0.034	0.040	0.040	0.032	0.035	0.036	0.033	0.034
34	0.028	0.030	0.041	0.046	0.042	0.028	0.028	0.034	0.035	0.036
35	0.074	0.076	0.057	0.063	0.080	0.068	0.056	0.051	0.065	0.076
36	0.021	0.020	0.022	0.018	0.023	0.024	0.026	0.031	0.024	0.025
37	0.072	0.047	0.047	0.034	0.042	0.075	0.094	0.096	0.106	0.105
38	0.015	0.017	0.024	0.019	0.027	0.026	0.025	0.018	0.015	0.015
39	0.024	0.023	0.025	0.018	0.024	0.027	0.026	0.023	0.030	0.026
40	0.012	0.016	0.024	0.017	0.025	0.017	0.025	0.030	0.031	0.028
Remark / Bemerkung: The maximal value of three phases is selected. / <i>Die maximalwerte der drei Phasen werden gewählt.</i>										

Interharmonics / Zwischenharmonische:										
Model / Modell: BNT030KTL										
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	0.041	0.024	0.026	0.024	0.026	0.026	0.027	0.028	0.032	0.036
125	0.020	0.020	0.021	0.023	0.024	0.024	0.025	0.025	0.026	0.031
175	0.040	0.040	0.043	0.057	0.070	0.077	0.097	0.103	0.106	0.107
225	0.021	0.021	0.025	0.024	0.029	0.024	0.019	0.019	0.018	0.019
275	0.020	0.021	0.024	0.038	0.031	0.037	0.019	0.019	0.018	0.018
325	0.023	0.019	0.023	0.022	0.029	0.022	0.018	0.017	0.017	0.017
375	0.018	0.016	0.017	0.018	0.018	0.023	0.019	0.018	0.017	0.017
425	0.017	0.019	0.020	0.023	0.020	0.020	0.016	0.016	0.016	0.016
475	0.017	0.018	0.019	0.019	0.018	0.021	0.016	0.017	0.016	0.016
525	0.018	0.020	0.020	0.022	0.021	0.020	0.017	0.017	0.017	0.017
575	0.018	0.017	0.018	0.020	0.020	0.020	0.018	0.017	0.017	0.017
625	0.018	0.016	0.017	0.018	0.019	0.018	0.017	0.017	0.016	0.017
675	0.018	0.018	0.018	0.017	0.018	0.020	0.018	0.017	0.017	0.017
725	0.018	0.018	0.017	0.018	0.018	0.018	0.017	0.017	0.017	0.017
775	0.017	0.019	0.019	0.018	0.018	0.018	0.017	0.017	0.017	0.017
825	0.019	0.017	0.017	0.017	0.018	0.019	0.019	0.018	0.018	0.017
875	0.018	0.017	0.017	0.017	0.018	0.017	0.018	0.018	0.018	0.017
925	0.018	0.017	0.017	0.017	0.018	0.017	0.020	0.019	0.018	0.017
975	0.018	0.019	0.018	0.018	0.019	0.020	0.022	0.021	0.021	0.020
1025	0.018	0.020	0.017	0.017	0.018	0.017	0.019	0.018	0.018	0.017
1075	0.018	0.017	0.017	0.017	0.017	0.017	0.018	0.018	0.018	0.017
1125	0.019	0.018	0.017	0.017	0.017	0.018	0.018	0.018	0.017	0.017
1175	0.019	0.018	0.018	0.017	0.018	0.019	0.020	0.019	0.020	0.019
1225	0.027	0.020	0.021	0.017	0.018	0.018	0.018	0.018	0.017	0.017
1275	0.019	0.019	0.018	0.016	0.017	0.018	0.018	0.017	0.017	0.018
1325	0.018	0.024	0.022	0.016	0.018	0.017	0.017	0.016	0.016	0.017
1375	0.016	0.019	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
1425	0.019	0.019	0.018	0.017	0.017	0.016	0.016	0.016	0.016	0.017
1475	0.017	0.019	0.018	0.017	0.017	0.015	0.016	0.017	0.017	0.017
1525	0.022	0.020	0.021	0.018	0.016	0.015	0.016	0.017	0.017	0.017
1575	0.017	0.019	0.019	0.018	0.018	0.017	0.017	0.017	0.017	0.017
1625	0.022	0.024	0.025	0.025	0.024	0.021	0.021	0.020	0.022	0.021
1675	0.028	0.035	0.034	0.045	0.041	0.029	0.027	0.028	0.032	0.029
1725	0.078	0.059	0.063	0.047	0.056	0.063	0.062	0.060	0.063	0.063
1775	0.041	0.040	0.035	0.025	0.036	0.044	0.042	0.045	0.044	0.040
1825	0.029	0.025	0.024	0.020	0.023	0.028	0.032	0.030	0.027	0.031
1875	0.020	0.021	0.019	0.017	0.019	0.020	0.022	0.022	0.022	0.022
1925	0.026	0.023	0.022	0.017	0.018	0.018	0.018	0.018	0.019	0.019
1975	0.020	0.019	0.017	0.019	0.020	0.019	0.020	0.020	0.020	0.021
Remark / Bemerkung:										
The maximal value of three phases is selected. / Die maximalwerte der drei Phasen werden gewählt.										

Higher Frequencies / Höhere Frequenzen: Model / Modell: BNT030KTL 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	0.012	0.016	0.013	0.016	0.017	0.020	0.020	0.018	0.019
2.3	0.010	0.010	0.011	0.012	0.024	0.025	0.033	0.043	0.039	0.041
2.5	0.012	0.008	0.010	0.012	0.018	0.012	0.017	0.024	0.031	0.037
2.7	0.010	0.008	0.011	0.010	0.009	0.011	0.013	0.016	0.018	0.024
2.9	0.010	0.009	0.012	0.013	0.014	0.012	0.017	0.022	0.031	0.055
3.1	0.008	0.007	0.013	0.009	0.012	0.014	0.020	0.020	0.020	0.029
3.3	0.007	0.007	0.009	0.008	0.008	0.008	0.010	0.012	0.012	0.018
3.5	0.008	0.008	0.009	0.010	0.009	0.012	0.012	0.014	0.020	0.023
3.7	0.008	0.008	0.007	0.008	0.007	0.007	0.009	0.008	0.012	0.016
3.9	0.008	0.008	0.007	0.007	0.007	0.008	0.009	0.010	0.009	0.010
4.1	0.009	0.007	0.009	0.009	0.009	0.008	0.009	0.011	0.010	0.010
4.3	0.008	0.008	0.009	0.008	0.011	0.007	0.009	0.012	0.012	0.009
4.5	0.008	0.008	0.008	0.008	0.008	0.009	0.009	0.010	0.009	0.009
4.7	0.009	0.009	0.012	0.012	0.011	0.017	0.026	0.020	0.013	0.012
4.9	0.010	0.010	0.012	0.013	0.013	0.014	0.025	0.019	0.013	0.013
5.1	0.011	0.010	0.010	0.009	0.010	0.009	0.009	0.012	0.011	0.011
5.3	0.011	0.013	0.016	0.014	0.011	0.014	0.010	0.010	0.014	0.011
5.5	0.013	0.010	0.017	0.018	0.018	0.011	0.011	0.012	0.015	0.012
5.7	0.013	0.015	0.015	0.013	0.012	0.011	0.011	0.011	0.011	0.013
5.9	0.012	0.019	0.023	0.015	0.013	0.012	0.014	0.020	0.031	0.052
6.1	0.020	0.028	0.017	0.023	0.022	0.016	0.015	0.019	0.027	0.050
6.3	0.014	0.015	0.012	0.011	0.011	0.012	0.013	0.012	0.012	0.011
6.5	0.016	0.016	0.015	0.020	0.014	0.014	0.020	0.013	0.011	0.012
6.7	0.015	0.016	0.013	0.018	0.021	0.014	0.014	0.014	0.010	0.010
6.9	0.014	0.013	0.011	0.012	0.012	0.013	0.017	0.016	0.012	0.012
7.1	0.013	0.016	0.017	0.020	0.021	0.017	0.022	0.017	0.016	0.014
7.3	0.013	0.017	0.018	0.023	0.028	0.015	0.016	0.015	0.014	0.016
7.5	0.014	0.020	0.015	0.017	0.019	0.017	0.023	0.023	0.017	0.021
7.7	0.015	0.024	0.023	0.028	0.035	0.023	0.033	0.031	0.024	0.024
7.9	0.015	0.027	0.024	0.035	0.044	0.024	0.029	0.031	0.022	0.023
8.1	0.019	0.036	0.031	0.033	0.031	0.031	0.042	0.041	0.029	0.037
8.3	0.027	0.047	0.053	0.051	0.067	0.051	0.060	0.059	0.043	0.047
8.5	0.035	0.041	0.052	0.071	0.083	0.054	0.053	0.058	0.048	0.049
8.7	0.032	0.033	0.054	0.053	0.045	0.054	0.066	0.064	0.055	0.071
8.9	0.017	0.019	0.047	0.066	0.060	0.052	0.053	0.061	0.066	0.066
Remark / Bemerkung: The maximal value of three phases is selected. / Die maximalwerte der drei Phasen werden gewählt.										

Harmonics / Oberschwingungen: Model / Modell: BNT003KTL 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	0.014	0.026	0.028	0.032	0.030	0.030	0.033	0.033	0.039	0.065
3	0.004	0.008	0.007	0.008	0.008	0.010	0.015	0.020	0.025	0.028
4	0.011	0.020	0.023	0.024	0.024	0.031	0.036	0.041	0.051	0.060
5	0.029	0.054	0.063	0.066	0.067	0.071	0.060	0.053	0.060	0.065
6	0.001	0.003	0.003	0.003	0.003	0.004	0.006	0.005	0.005	0.012
7	0.020	0.044	0.045	0.043	0.038	0.035	0.049	0.054	0.049	0.042
8	0.002	0.003	0.004	0.006	0.005	0.004	0.006	0.009	0.011	0.015
9	0.003	0.006	0.006	0.006	0.006	0.006	0.009	0.011	0.011	0.009
10	0.002	0.003	0.003	0.004	0.006	0.015	0.017	0.016	0.016	0.016
11	0.023	0.043	0.088	0.104	0.097	0.090	0.093	0.095	0.102	0.112
12	0.001	0.003	0.002	0.002	0.003	0.004	0.004	0.003	0.004	0.006
13	0.024	0.053	0.052	0.078	0.080	0.062	0.054	0.061	0.069	0.081
14	0.002	0.003	0.002	0.003	0.003	0.004	0.003	0.004	0.003	0.004
15	0.003	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.005	0.005
16	0.001	0.003	0.003	0.003	0.004	0.012	0.013	0.012	0.010	0.009
17	0.033	0.067	0.035	0.035	0.053	0.065	0.070	0.067	0.062	0.057
18	0.001	0.003	0.002	0.002	0.003	0.003	0.004	0.003	0.003	0.004
19	0.027	0.051	0.044	0.022	0.036	0.037	0.039	0.043	0.045	0.042
20	0.002	0.003	0.003	0.003	0.003	0.005	0.007	0.008	0.009	0.010
21	0.003	0.005	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.005
22	0.002	0.003	0.003	0.004	0.003	0.006	0.008	0.008	0.008	0.011
23	0.010	0.020	0.039	0.027	0.018	0.036	0.042	0.036	0.029	0.026
24	0.002	0.005	0.004	0.004	0.003	0.003	0.003	0.004	0.004	0.004
25	0.012	0.029	0.031	0.029	0.017	0.017	0.021	0.023	0.022	0.016
26	0.001	0.003	0.003	0.004	0.004	0.003	0.007	0.009	0.010	0.010
27	0.003	0.005	0.005	0.005	0.005	0.005	0.004	0.005	0.005	0.005
28	0.001	0.003	0.003	0.003	0.004	0.004	0.003	0.004	0.006	0.008
29	0.013	0.024	0.013	0.026	0.020	0.014	0.017	0.018	0.018	0.019
30	0.001	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
31	0.009	0.016	0.012	0.018	0.017	0.009	0.011	0.013	0.014	0.011
32	0.001	0.003	0.003	0.003	0.004	0.004	0.005	0.007	0.008	0.008
33	0.003	0.005	0.008	0.009	0.008	0.007	0.007	0.008	0.011	0.009
34	0.004	0.008	0.007	0.007	0.008	0.009	0.008	0.008	0.008	0.009
35	0.006	0.014	0.020	0.014	0.017	0.011	0.009	0.013	0.017	0.017
36	0.002	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.004	0.004
37	0.006	0.014	0.017	0.010	0.013	0.010	0.006	0.006	0.007	0.008
38	0.002	0.003	0.003	0.003	0.003	0.004	0.003	0.003	0.005	0.006
39	0.002	0.005	0.004	0.005	0.006	0.005	0.004	0.004	0.005	0.005
40	0.001	0.003	0.002	0.003	0.002	0.004	0.004	0.003	0.005	0.006
Remark / Bemerkung: The maximal value of three phases is selected. / <i>Die maximalwerte der drei Phasen werden gewählt.</i>										

Interharmonics / Zwischenharmonische:										
Model / Modell: BNT003KTL										
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	0.012	0.006	0.007	0.007	0.009	0.006	0.007	0.007	0.006	0.005
125	0.003	0.003	0.003	0.004	0.004	0.003	0.004	0.004	0.004	0.004
175	0.004	0.008	0.011	0.008	0.008	0.008	0.009	0.008	0.011	0.014
225	0.003	0.003	0.003	0.003	0.004	0.003	0.004	0.004	0.004	0.004
275	0.002	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004
325	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004
375	0.002	0.003	0.004	0.003	0.004	0.003	0.004	0.003	0.004	0.004
425	0.002	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.003	0.003
475	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.003	0.003
525	0.002	0.003	0.003	0.004	0.004	0.003	0.004	0.003	0.004	0.003
575	0.002	0.004	0.003	0.004	0.004	0.003	0.003	0.003	0.003	0.003
625	0.002	0.004	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.003
675	0.002	0.004	0.003	0.004	0.004	0.003	0.003	0.003	0.003	0.003
725	0.002	0.004	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.003
775	0.002	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003
825	0.002	0.004	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003
875	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
925	0.002	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
975	0.002	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
1025	0.002	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.004
1075	0.002	0.004	0.004	0.003	0.004	0.003	0.003	0.003	0.003	0.003
1125	0.002	0.004	0.004	0.003	0.004	0.003	0.003	0.003	0.003	0.003
1175	0.002	0.004	0.004	0.004	0.003	0.004	0.003	0.003	0.003	0.004
1225	0.003	0.006	0.005	0.004	0.003	0.004	0.003	0.003	0.003	0.003
1275	0.002	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.003
1325	0.002	0.004	0.005	0.005	0.005	0.004	0.004	0.003	0.003	0.003
1375	0.002	0.003	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003
1425	0.002	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003
1475	0.002	0.004	0.004	0.004	0.004	0.004	0.003	0.004	0.003	0.003
1525	0.002	0.004	0.004	0.004	0.005	0.004	0.003	0.004	0.003	0.003
1575	0.002	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
1625	0.002	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
1675	0.004	0.007	0.008	0.008	0.008	0.009	0.009	0.010	0.008	0.009
1725	0.007	0.016	0.012	0.011	0.011	0.012	0.011	0.009	0.008	0.011
1775	0.004	0.007	0.008	0.007	0.007	0.006	0.006	0.006	0.005	0.006
1825	0.002	0.005	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004
1875	0.002	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.004
1925	0.003	0.006	0.004	0.004	0.005	0.005	0.004	0.003	0.003	0.004
1975	0.002	0.004	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.004
Remark / Bemerkung:										
The maximal value of three phases is selected. / Die maximalwerte der drei Phasen werden gewählt.										

Higher Frequencies / Höhere Frequenzen: Model / Modell: BNT003KTL 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	0.001	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
2.3	0.001	0.003	0.002	0.002	0.003	0.003	0.003	0.002	0.004	0.005
2.5	0.001	0.002	0.002	0.002	0.003	0.002	0.003	0.003	0.002	0.003
2.7	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
2.9	0.001	0.002	0.001	0.002	0.002	0.002	0.002	0.003	0.002	0.003
3.1	0.001	0.002	0.001	0.001	0.001	0.003	0.002	0.002	0.002	0.002
3.3	0.001	0.002	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002
3.5	0.001	0.002	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002
3.7	0.001	0.002	0.001	0.002	0.002	0.001	0.002	0.001	0.002	0.001
3.9	0.001	0.002	0.002	0.002	0.001	0.001	0.001	0.002	0.001	0.002
4.1	0.001	0.002	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002
4.3	0.001	0.002	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002
4.5	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.002	0.002
4.7	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003
4.9	0.001	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003
5.1	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
5.3	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003
5.5	0.001	0.003	0.003	0.002	0.003	0.003	0.003	0.003	0.003	0.004
5.7	0.001	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.003	0.002
5.9	0.001	0.002	0.003	0.003	0.003	0.004	0.004	0.003	0.003	0.004
6.1	0.002	0.004	0.004	0.006	0.003	0.004	0.004	0.005	0.004	0.003
6.3	0.002	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.003	0.003
6.5	0.002	0.003	0.004	0.003	0.003	0.004	0.004	0.004	0.004	0.004
6.7	0.002	0.003	0.003	0.004	0.003	0.003	0.004	0.004	0.004	0.004
6.9	0.001	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.002	0.002
7.1	0.001	0.003	0.003	0.004	0.003	0.004	0.004	0.004	0.005	0.005
7.3	0.001	0.003	0.003	0.004	0.003	0.004	0.004	0.005	0.006	0.006
7.5	0.001	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.004
7.7	0.001	0.003	0.003	0.006	0.005	0.005	0.006	0.006	0.007	0.008
7.9	0.002	0.003	0.003	0.006	0.005	0.005	0.006	0.008	0.009	0.009
8.1	0.002	0.004	0.003	0.008	0.007	0.006	0.006	0.007	0.007	0.006
8.3	0.003	0.005	0.004	0.011	0.011	0.012	0.011	0.012	0.016	0.016
8.5	0.003	0.006	0.005	0.009	0.011	0.014	0.015	0.016	0.019	0.016
8.7	0.003	0.005	0.005	0.008	0.009	0.011	0.010	0.011	0.012	0.012
8.9	0.002	0.003	0.003	0.004	0.006	0.011	0.013	0.014	0.018	0.017
Remark / Bemerkung: The maximal value of three phases is selected. / Die maximalwerte der drei Phasen werden gewählt.										