

Declaration Of Compliance

We, The Manufacturer

SHENZHEN GROWATT NEW ENERGY TECHNOLOGY CO.,LTD

Declare The Products:

MIC 1000TL-X, MIC 1500TL-X, MIC 2000TL-X, MIC 2500TL-X, MIC3000TL-X,
Growatt 1500-S, Growatt 2000-S, Growatt 3000-S,
Growatt 3600MTL-S, Growatt4200MTL-S, Growatt 5500MTL-S,
Growatt 7000MTL-S, Growatt 8000MTL-S, Growatt8000MTLP-S,
Growatt9000MTLP-S,Growatt10500MTLP-S
MIN 2500TL-X, MIN 3000TL-X, MIN 4200TL-X, MIN 5000TL-X, MIN 6000TL-X
Growatt 18000UE, Growatt 20000UE, Growatt 7000TL3-S, Growatt 8000TL3-S,
Growatt 10000TL3-S, Growatt11000TL3-S, Growatt 12000TL3-S, Growatt15000TL3-S,
Growatt 17000TL3-S, Growatt20000TL3-S, Growatt25000TL3-S,
Growatt 30000TL3-S, Growatt 33000TL3-S, Growatt 40000TL3-NS
MAX50KTL3 LV, MAX60KTL3 LV, MAX70KTL3 LV, MAX75KTL3 LV, MAX80KTL3 LV
MAX80KTL3 MV,MAX90KTL3 MV,MAX100KTL3 MV
Growatt 15000TL3-SL, Growatt20000TL3-SL, Growatt22000TL3-SL
MID15KTL3-X, MID17KTL3-X,MID20KTL3-X,MID22KTL3-X,MID25KTL3-X;
MID25KTL3-X1,MID30KTL3-X,MID33KTL3-X, MID36KTL3-X,MID40KTL3-X
MAC50KTL3-X LV/MAC50KTL3-X MV,MAC60KTL3-X LV/MAC60KTL3-X MV
MAC70KTL3-X MV
MAX 185KTL3-X HV, MAX 216KTL3-X HV, MAX 250KTL3-X HV, MAX 253KTL3-X HV,
MOD 10KTL3-X, MOD 11KTL3-X, MOD 12KTL3-X, MOD 13KTL3-X, MOD 15KTL3-X
MIN 7000TL-X (E) , MIN 8000TL-X (E) , MIN 9000TL-X ,MIN 10000TL-X
MAX100KTL3-X LV, MAX110KTL3-X LV ,MAX120KTL3-X LV ,MAX125KTL3-X LV
MAC 15KTL3-XL, MAC 20KTL3-XL, MAC 22KTL3-XL MAC 25KTL3-XL, MAC 30KTL3-XL, MAC
36KTL3-XL
MID 10K TL3-XL, MID 12K TL3-XL, MID 15K TL3-XL, MID 20K TL3-XL

The Growatt inverters listed above comply with the relevant requirements of the Brazilian standard:
ABNT NBR 16149:2013 Sistemas fotovoltaicos (FV) – Características da interface de conexão com a rede elétrica de distribuição – Primeira edição (01.03.2013)

[Photovoltaic (PV) systems – Characteristics of the utility interface – first edition, March 01-2013]

As results after internal testing made in accordance to the applicable conformance test protocol:

ABNT NBR 16150:2013 Sistemas fotovoltaicos (FV) — Características da interface de conexão com a rede elétrica de distribuição — Procedimento de ensaio de conformidade - Primeira edição (04.03.2013)

[Photovoltaic (PV) systems – Characteristics of the utility interface – Conformity test procedure.

First edition, March 04-2013]

ABNT NBR 62116-2012 Procedimento de ensaio de anti-ilhamento para inversores de sistemas

fotovoltaico conectados à rede.

Please refer to the conditions and restriction of use specified in the table, as well as in the following notes.

Inverter Model	Power	Nominal voltage/frequency No. of phase	Cos(phi)=f(p)	Reactive Power Capability	FRT capability
Growatt 1500-S	1.5kw	220V/230V/240V/60Hz,1-phase	No	No	Yes
Growatt 2000-S	2kw	220V/230V/240V/60Hz,1-phase	No	No	Yes
Growatt 3000-S	3kw	220V/230V/240V/60Hz,1-phase	No	No	Yes
Growatt 3600MTL-S	3.6kw	220V/230V/240V/60Hz,1-phase	Yes	Yes	Yes
Growatt 4200MTL-S	4.2kw	220V/230V/240V/60Hz,1-phase	Yes	Yes	Yes
Growatt 5500MTL-S	5kw	220V/230V/240V/60Hz,1-phase	Yes	Yes	Yes
Growatt 7000MTL-S,	7kw	220V/230V/240V/60Hz,1-phase	Yes	Yes	Yes
Growatt 8000MTL-S,	8kw	220V/230V/240V/60Hz,1-phase	Yes	Yes	Yes
Growatt8000MTLP-S	8kw	220V/230V/240V/60Hz,1-phase	Yes	Yes	Yes
Growatt9000MTLP-S	9kw	220V/230V/240V/60Hz,1-phase	Yes	Yes	Yes
Growatt10500MTLP-S	10.5kw	220V/230V/240V/60Hz,1-phase	Yes	Yes	Yes
MIN 2500TL-X	2.5kw	220V/230V/240V/60Hz,1-phase	Yes	Yes	Yes
MIN 3000TL-X	3kw	220V/230V/240V/60Hz,1-phase	Yes	Yes	Yes
MIN 4200TL-X	4.2kw	220V/230V/240V/60Hz,1-phase	Yes	Yes	Yes
MIN 5000TL-X	5kw	220V/230V/240V/60Hz,1-phase	Yes	Yes	Yes
MIN 6000TL-X	6kw	220V/230V/240V/60Hz,1-phase	Yes	Yes	Yes
Growatt 18000UE	18kw	380V/60Hz,3-phase	Yes	Yes	Yes
Growatt 20000UE	20kw	380V/60Hz,3-phase	Yes	Yes	Yes
Growatt 11000TL3-S	11kw	380V/60Hz,3-phase	Yes	Yes	Yes
Growatt 12000TL3-S	12kw	380V/60Hz,3-phase	Yes	Yes	Yes
Growatt 13000TL3-S	13kw	380V/60Hz,3-phase	Yes	Yes	Yes
Growatt 15000TL3-S	15kw	380V/60Hz,3-phase	Yes	Yes	Yes
Growatt 17000TL3-S	17kw	380V/60Hz,3-phase	Yes	Yes	Yes
Growatt 20000TL3-S	20kw	380V/60Hz,3-phase	Yes	Yes	Yes
Growatt 25000TL3-S	25kw	380V/60Hz,3-phase	Yes	Yes	Yes
Growatt 30000TL3-S	30kw	380V/60Hz,3-phase	Yes	Yes	Yes
Growatt 33000TL3-S	33kw	380V/60Hz,3-phase	Yes	Yes	Yes
Growatt 40000TL3-NS	40kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAX50KTL3 LV	50kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAX60KTL3 LV	60kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAX70KTL3 LV	70kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAX75KTL3 LV	75kw	380V/60Hz,3-phase	Yes	Yes	Yes

MAX80KTL3 LV	80kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAX80KTL3 MV	80kw	480V/60Hz,3-phase	Yes	Yes	Yes
MAX90KTL3 MV	90kw	480V/60Hz,3-phase	Yes	Yes	Yes
MAX100KTL3 MV	100kw	480V/60Hz,3-phase	Yes	Yes	Yes
Growatt 15000TL3-SL	15kw	220V/60Hz,3-phase	Yes	Yes	Yes
Growatt 20000TL3-SL	20kw	220V/60Hz,3-phase	Yes	Yes	Yes
Growatt 22000TL3-SL	22kw	220V/60Hz,3-phase	Yes	Yes	Yes
MID17KTL3-X	17kw	380V/60Hz,3-phase	Yes	Yes	Yes
MID20KTL3-X	20kw	380V/60Hz,3-phase	Yes	Yes	Yes
MID22KTL3-X	22kw	380V/60Hz,3-phase	Yes	Yes	Yes
MID25KTL3-X	25kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAC50KTL3-X LV	50kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAC50KTL3-X MV	50kw	480V/60Hz,3-phase	Yes	Yes	Yes
MAC60KTL3-X LV	60kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAC60KTL3-X MV	60kw	480V/60Hz,3-phase	Yes	Yes	Yes
MAC70KTL3-X MV	70kw	480V/60Hz,3-phase	Yes	Yes	Yes
MID25KTL3-X1	25kw	380V/60Hz,3-phase	Yes	Yes	Yes
MID30KTL3-X	30kw	380V/60Hz,3-phase	Yes	Yes	Yes
MID33KTL3-X	33kw	380V/60Hz,3-phase	Yes	Yes	Yes
MID36KTL3-X	36kw	380V/60Hz,3-phase	Yes	Yes	Yes
MID40KTL3-X	40kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAX 185KTL3-X HV	185kw	800V/60Hz,3-phase	Yes	Yes	Yes
MAX 216KTL3-X HV	216kw	800V/60Hz,3-phase	Yes	Yes	Yes
MAX 250KTL3-X HV	250kw	800V/60Hz,3-phase	Yes	Yes	Yes
MAX 253KTL3-X HV	253kw	800V/60Hz,3-phase	Yes	Yes	Yes
MOD 10KTL3-X	10kw	380V/60Hz,3-phase	Yes	Yes	Yes
MOD 11KTL3-X	11kw	380V/60Hz,3-phase	Yes	Yes	Yes
MOD 12KTL3-X	12kw	380V/60Hz,3-phase	Yes	Yes	Yes
MOD 13KTL3-X	13kw	380V/60Hz,3-phase	Yes	Yes	Yes
MOD 15KTL3-X	15kw	380V/60Hz,3-phase	Yes	Yes	Yes
MIC 1000TL-X	1kw	220V/230V/240V/60Hz,1-phase	Yes	Yes	Yes
MIC 1500TL-X	1.5kw	220V/230V/240V/60Hz,1-phase	Yes	Yes	Yes
MIC 2000TL-X	2kw	220V/230V/240V/60Hz,1-phase	Yes	Yes	Yes
MIC 2500TL-X	2.5kw	220V/230V/240V/60Hz,1-phase	Yes	Yes	Yes
MIC 3000TL-X	3kw	220V/230V/240V/60Hz,1-phase	Yes	Yes	Yes
MIN 7000TL-X (E)	7kw	220V/230V/240V/60Hz,1-phase	Yes	Yes	Yes
MIN 8000TL-X (E)	8kw	220V/230V/240V/60Hz,1-phase	Yes	Yes	Yes
MIN 9000TL-X	9kw	220V/230V/240V/60Hz,1-phase	Yes	Yes	Yes
MIN 10000TL-X	10kw	220V/230V/240V/60Hz,1-phase	Yes	Yes	Yes
MAX100KTL3-X LV	100kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAX110KTL3-X LV	110kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAX120KTL3-X LV	120kw	380V/60Hz,3-phase	Yes	Yes	Yes

MAX125KTL3-X LV	125kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAC 15KTL3-XL	15kw	220V/60Hz,3-phase	Yes	Yes	Yes
MAC 20KTL3-XL	20kw	220V/60Hz,3-phase	Yes	Yes	Yes
MAC 22KTL3-XL	22kw	220V/60Hz,3-phase	Yes	Yes	Yes
MAC 25KTL3-XL	25kw	220V/60Hz,3-phase	Yes	Yes	Yes
MAC 30KTL3-XL	30kw	220V/60Hz,3-phase	Yes	Yes	Yes
MAC 36KTL3-XL	36kw	220V/60Hz,3-phase	Yes	Yes	Yes
MID 10K TL3-XL	10kw	220V/60Hz,3-phase	Yes	Yes	Yes
MID 12K TL3-XL	12kw	220V/60Hz,3-phase	Yes	Yes	Yes
MID 15K TL3-XL	15kw	220V/60Hz,3-phase	Yes	Yes	Yes
MID 20K TL3-XL	20kw	220V/60Hz,3-phase	Yes	Yes	Yes

Manufacturer

Shenzhen Growatt New Energy Technology CO., LTD

R&D Director

Mr.Woody Wu

Woody
2020.1.10

Declaration Of Compliance

We, The Manufacturer
SHENZHEN GROWATT NEW ENERGY CO.,LTD

Declare The Products:

MIC 1000TL-X, MIC 1500TL-X, MIC 2000TL-X, MIC 2500TL-X, MIC3000TL-X,
MIN 2500TL-X, MIN 3000TL-X, MIN 4200TL-X, MIN 5000TL-X, MIN 6000TL-X
MAX50KTL3 LV, MAX60KTL3 LV, MAX70KTL3 LV, MAX75KTL3 LV, MAX80KTL3 LV
MAX80KTL3 MV,MAX90KTL3 MV,MAX100KTL3 MV
MID15KTL3-X,MID17KTL3-X,MID20KTL3-X,MID22KTL3-X,MID25KTL3-X;
MID25KTL3-X1,MID30KTL3-X,MID33KTL3-X, MID36KTL3-X,MID40KTL3-X
MAC50KTL3-X LV/MAC50KTL3-X MV,MAC60KTL3-X LV/MAC60KTL3-X MV
MAC70KTL3-X MV
MAX 185KTL3-X HV,MAX 216KTL3-X HV, MAX 250KTL3-X HV,MAX 253KTL3-X HV,
MOD 10KTL3-X, MOD 11KTL3-X, MOD 12KTL3-X, MOD 13KTL3-X, MOD 15KTL3-X
MIN 7000TL-X (E) ,MIN 8000TL-X (E) ,MIN 9000TL-X ,MIN 10000TL-X
MAX100KTL3-X LV, MAX110KTL3-X LV ,MAX120KTL3-X LV ,MAX125KTL3-X LV
MAC 15KTL3-XL, MAC 20KTL3-XL, MAC 22KTL3-XL MAC 25KTL3-XL, MAC 30KTL3-XL,
MAC 36KTL3-XL
MID 10K TL3-XL, MID 12K TL3-XL, MID 15K TL3-XL, MID 20K TL3-XL
MAX 50 KTL3-XL2, MAX 60 KTL3-XL2, MAX 70 KTL3-XL2, MAX 75KTL3-XL2,

The Growatt inverters listed above comply with the relevant requirements of the Brazilian standard:

ABNT NBR 16149:2013 Sistemas fotovoltaicos (FV) – Características da interface de conexão com a rede elétrica de distribuição – Primeira edição (01.03.2013)

[Photovoltaic (PV) systems – Characteristics of the utility interface – first edition, March 01-2013]

As results after internal testing made in accordance to the applicable conformance test protocol:

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[Photovoltaic (PV) systems – Characteristics of the utility interface – Conformity test procedure. First edition, March 04-2013]

ABNT NBR 62116-2012 Procedimento de ensaio de anti-ilhamento para inversores de sistemas fotovoltaico conectados à rede.

Please refer to the conditions and restriction of use specified in the table, as well as in the following notes.

Inverter Model	Power	Nominal voltage/frequency No. of phase	Cos(phi)=f(p)	Reactive Power Capability	FRT capability
MIC 1000TL-X	1kw	220V/60Hz,1-phase	Yes	Yes	Yes
MIC 1500TL-X	1.5kw	220V/60Hz,1-phase	Yes	Yes	Yes
MIC 2000TL-X	2kw	220V/60Hz,1-phase	Yes	Yes	Yes
MIC 2500TL-X	2.5kw	220V/60Hz,1-phase	Yes	Yes	Yes
MIC 3000TL-X	3kw	220V/60Hz,1-phase	Yes	Yes	Yes
MIN 2500TL-X	2.5kw	220V/60Hz,1-phase	Yes	Yes	Yes
MIN 3000TL-X	3kw	220V/60Hz,1-phase	Yes	Yes	Yes
MIN 4200TL-X	4.2kw	220V/60Hz,1-phase	Yes	Yes	Yes
MIN 5000TL-X	5kw	220V/60Hz,1-phase	Yes	Yes	Yes
MIN 6000TL-X	6kw	220V/60Hz,1-phase	Yes	Yes	Yes
MIN 7000TL-X(E)	7kw	220V/60Hz,1-phase	Yes	Yes	Yes
MIN 8000TL-X(E)	8kw	220V/60Hz,1-phase	Yes	Yes	Yes
MIN 9000TL-X	9kw	220V/60Hz,1-phase	Yes	Yes	Yes
MIN 10000TL-X	10kw	220V/60Hz,1-phase	Yes	Yes	Yes
MID 10K TL3-XL	10kw	220V/60Hz,3-phase	Yes	Yes	Yes
MID 12K TL3-XL	12kw	220V/60Hz,3-phase	Yes	Yes	Yes
MID 15K TL3-XL	15kw	220V/60Hz,3-phase	Yes	Yes	Yes
MID 20K TL3-XL	20kw	220V/60Hz,3-phase	Yes	Yes	Yes
MAC 15KTL3-XL	15kw	220V/60Hz,3-phase	Yes	Yes	Yes
MAC 20KTL3-XL	20kw	220V/60Hz,3-phase	Yes	Yes	Yes
MAC 22KTL3-XL	22kw	220V/60Hz,3-phase	Yes	Yes	Yes
MAC 25KTL3-XL	25kw	220V/60Hz,3-phase	Yes	Yes	Yes
MAC 30KTL3-XL	30kw	220V/60Hz,3-phase	Yes	Yes	Yes
MAC 36KTL3-XL	36kw	220V/60Hz,3-phase	Yes	Yes	Yes
MAX 50 KTL3-XL2	50kW	220V/60Hz,3-phase	Yes	Yes	Yes
MAX 60 KTL3-XL2	60kW	220V/60Hz,3-phase	Yes	Yes	Yes
MAX 70 KTL3-XL2	70kW	220V/60Hz,3-phase	Yes	Yes	Yes
MAX 75 KTL3-XL2	75kW	220V/60Hz,3-phase	Yes	Yes	Yes
MOD 10KTL3-X	10kw	380V/60Hz,3-phase	Yes	Yes	Yes
MOD 11KTL3-X	11kw	380V/60Hz,3-phase	Yes	Yes	Yes
MOD 12KTL3-X	12kw	380V/60Hz,3-phase	Yes	Yes	Yes
MOD 13KTL3-X	13kw	380V/60Hz,3-phase	Yes	Yes	Yes
MOD 15KTL3-X	15kw	380V/60Hz,3-phase	Yes	Yes	Yes
MID17KTL3-X	17kw	380V/60Hz,3-phase	Yes	Yes	Yes
MID20KTL3-X	20kw	380V/60Hz,3-phase	Yes	Yes	Yes
MID22KTL3-X	22kw	380V/60Hz,3-phase	Yes	Yes	Yes
MID25KTL3-X	25kw	380V/60Hz,3-phase	Yes	Yes	Yes
MID25KTL3-X1	25kw	380V/60Hz,3-phase	Yes	Yes	Yes
MID30KTL3-X	30kw	380V/60Hz,3-phase	Yes	Yes	Yes
MID33KTL3-X	33kw	380V/60Hz,3-phase	Yes	Yes	Yes

深圳古瑞瓦特新能源有限公司
Shenzhen Growatt New Energy Co.,Ltd

MID36KTL3-X	36kw	380V/60Hz,3-phase	Yes	Yes	Yes
MID40KTL3-X	40kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAC50KTL3-X LV	50kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAC60KTL3-X LV	60kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAX50KTL3 LV	50kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAX60KTL3 LV	60kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAX70KTL3 LV	70kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAX75KTL3 LV	75kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAX80KTL3 LV	80kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAX100KTL3-X LV	100kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAX110KTL3-X LV	110kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAX120KTL3-X LV	120kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAX125KTL3-X LV	125kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAC50KTL3-X MV	50kw	480V/60Hz,3-phase	Yes	Yes	Yes
MAC60KTL3-X MV	60kw	480V/60Hz,3-phase	Yes	Yes	Yes
MAC70KTL3-X MV	70kw	480V/60Hz,3-phase	Yes	Yes	Yes
MAX80KTL3 MV	80kw	480V/60Hz,3-phase	Yes	Yes	Yes
MAX90KTL3 MV	90kw	480V/60Hz,3-phase	Yes	Yes	Yes
MAX100KTL3 MV	100kw	480V/60Hz,3-phase	Yes	Yes	Yes
MAX 185KTL3-X HV	185kw	800V/60Hz,3-phase	Yes	Yes	Yes
MAX 216KTL3-X HV	216kw	800V/60Hz,3-phase	Yes	Yes	Yes
MAX 250KTL3-X HV	250kw	800V/60Hz,3-phase	Yes	Yes	Yes
MAX 253KTL3-X HV	253kw	800V/60Hz,3-phase	Yes	Yes	Yes

Manufacturer:

Shenzhen Growatt New Energy CO., LTD

R&D Director
Mr. Woody Wu

Woody
2020.1.10

Declaration Of Compliance

We, The Manufacturer

SHENZHEN GROWATT NEW ENERGY TECHNOLOGY CO.,LTD

Declare The Products:

Growatt 1500-S, Growatt 2000-S, Growatt 3000-S
Growatt 3600MTL-S, Growatt 4200MTL-S, Growatt 5500MTL-S
Growatt 18000UE, Growatt 20000UE,
Growatt 7000TL3-S, Growatt 8000TL3-S, Growatt 9000TL3-S,
Growatt 10000TL3-S, Growatt 11000TL3-S,
Growatt 12000TL3-S, Growatt 15000TL3-S,
Growatt 17000TL3-S, Growatt 20000TL3-S, Growatt 25000TL3-S,
Growatt 30000TL3-S, Growatt 33000TL3-S, Growatt 40000TL3-NS
MAX 50KTL3 LV, MAX 60KTL3 LV, MAX 70KTL3 LV, MAX 75KTL3 LV, MAX 80KTL3 LV
MAX 60KTL3 MV, MAX 70KTL3 MV, MAX 80KTL3 MV

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ABNT NBR 16149:2013 Sistemas fotovoltaicos (FV) – Características da interface de conexão com a rede elétrica de distribuição – Primeira edição (01.03.2013)

[Photovoltaic (PV) systems – Characteristics of the utility interface – first edition, March 01-2013]

As results after internal testing made in accordance to the applicable conformance test protocol:

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[Photovoltaic (PV) systems – Characteristics of the utility interface – Conformity test procedure. First edition, March 04-2013]

ABNT NBR 62116-2012 Procedimento de ensaio de anti-ilhamento para inversores de sistemas fotovoltaico conectados à rede.

Please refer to the conditions and restriction of use specified in the table, as well as in the following notes.

Inverter Model	Power	Nominal voltage/frequency No. of phase	Cos(phi)=f(p)	Reactive Power Capability	FRT capability
Growatt 1500-S	1.5kw	220V/230V/240V/60Hz,1-phase	No	No	Yes
Growatt 2000-S	2kw	220V/230V/240V/60Hz,1-phase	No	No	Yes
Growatt 3000-S	3kw	220V/230V/240V/60Hz,1-phase	No	No	Yes
Growatt 3600MTL-S	3.6kw	220V/230V/240V/60Hz,1-phase	Yes	Yes	Yes
Growatt 4200MTL-S	4.2kw	220V/230V/240V/60Hz,1-phase	Yes	Yes	Yes
Growatt 5500MTL-S	5kw	220V/230V/240V/60Hz,1-phase	Yes	Yes	Yes
Growatt 18000UE	18kw	380V/60Hz,3-phase	Yes	Yes	Yes
Growatt 20000UE	20kw	380V/60Hz,3-phase	Yes	Yes	Yes
Growatt 7000TL3-S	7kw	380V/60Hz,3-phase	Yes	Yes	Yes
Growatt 8000TL3-S	8kw	380V/60Hz,3-phase	Yes	Yes	Yes
Growatt 9000TL3-S	9kw	380V/60Hz,3-phase	Yes	Yes	Yes
Growatt 10000TL3-S	10kw	380V/60Hz,3-phase	Yes	Yes	Yes
Growatt 11000TL3-S	11kw	380V/60Hz,3-phase	Yes	Yes	Yes
Growatt 12000TL3-S	12kw	380V/60Hz,3-phase	Yes	Yes	Yes
Growatt 15000TL3-S	15kw	380V/60Hz,3-phase	Yes	Yes	Yes
Growatt 17000TL3-S	17kw	380V/60Hz,3-phase	Yes	Yes	Yes
Growatt 20000TL3-S	20kw	380V/60Hz,3-phase	Yes	Yes	Yes
Growatt 25000TL3-S	25kw	380V/60Hz,3-phase	Yes	Yes	Yes
Growatt 30000TL3-S	30kw	380V/60Hz,3-phase	Yes	Yes	Yes
Growatt 33000TL3-S	33kw	380V/60Hz,3-phase	Yes	Yes	Yes
Growatt 40000TL3-NS	40kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAX 50KTL3 LV	50kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAX 60KTL3 LV	60kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAX 70KTL3 LV	70kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAX 75KTL3 LV	75kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAX 80KTL3 LV	80kw	380V/60Hz,3-phase	Yes	Yes	Yes
MAX 60KTL3 MV	60kw	480V/60Hz,3-phase	Yes	Yes	Yes
MAX 70KTL3 MV	70kw	480V/60Hz,3-phase	Yes	Yes	Yes
MAX 80KTL3 MV	80kw	480V/60Hz,3-phase	Yes	Yes	Yes

Manufacturer
Shenzhen Growatt New Energy Technology CO., LTD

R&D Director

Woody

Certificate of Conformity

Certificate Number: CN-PV-190083

On the basis of the tests undertaken, the samples of the below product have been found to comply with the requirements of the referenced specifications /standards at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture. The manufacturer shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

Applicant:	Shenzhen Growatt New Energy Technology CO.,Ltd 1st East & 3rd Floor of Building A, Building B, Jiayu Industrial Park, #28, GuangHui Road, LongTeng Community, Shiyan Street, Baoan District, Shenzhen, P. R. China
Product:	PV Grid inverter
Ratings & Principle Characteristics:	See Appendix to Certificate of Conformity
Models:	MAX 50KTL3 LV, MAX 60KTL3 LV, MAX 70KTL3 LV, MAX 75KTL3 LV, MAX 80KTL3 LV, MAX 60KTL3 MV, MAX 70KTL3 MV, MAX 80KTL3 MV, MAX 90KTL3 MV, MAX 100KTL3 MV
Brand Name:	Growatt
Tested according to:	IEC 61727:2004 Photovoltaic (PV) systems – Characteristics of the utility interface IEC 62116:2014 Test procedure of islanding prevention measures for utility-interconnected photovoltaic inverters
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai 2/F (West Side), No. 707, Zhangyang Road, Free Trade Experimental Area, Shanghai, P. R. China
Test Reports No:	191120148GZU-004, 191120148GZU-005

Additional information in Appendix.



Signature

Certification Manager: Grady Ye

Date: 9 December 2019

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-190083.

Ratings & Principle Characteristics:

Model	MAX 50KTL3 LV	MAX 60KTL3 LV	MAX 70KTL3 LV	MAX 75KTL3 LV
Max. PV voltage	1100 d.c.V			
PV voltage range	200-1000 d.c.V			
PV Isc	32 d.c.A*6		32 d.c.A*7	
Max. input current	26 d.c.A*6		26 d.c.A*7	
Max. output power	50000W	60000W	70000W	75000W
Max. apparent power	55500VA	66600VA	77700VA	83300VA
Nominal output voltage	3W/N/PE 230/400 a.c.V			
Max. output current	80.5 a.c.A	96.6 a.c.A	112.7 a.c.A	120.8 a.c.A
Nominal output frequency	50/60Hz			
Power factor range	0.8Leading ~ 0.8Lagging			
Safety level	Class I			
Ingress Protection	IP65			
Operation Ambient Temperature	-25°C - +60°C			
Software Version	TI1.0			

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-190083.

Ratings & Principle Characteristics:

Model	MAX 80KTL3 LV	MAX 60KTL3 MV	MAX 70KTL3 MV	MAX 80KTL3 MV
Max. PV voltage	1100 d.c.V			
PV voltage range	200-1000 d.c.V			
PV Isc	32 d.c.A*7	32 d.c.A*6	32 d.c.A*7	
Max. input current	26 d.c.A*7	26 d.c.A*6	26 d.c.A*7	
Max. output power	80000W	60000W	70000W	80000W
Max. apparent power	88800VA	66600VA	77700VA	88800VA
Nominal output voltage	3W/N/PE 230/400 a.c.V	3W/N/PE or 3W+PE 277/480 a.c.V		
Max. output current	128.8 a.c.A	80.2 a.c.A	93.6 a.c.A	107.0 a.c.A
Nominal output frequency	50/60Hz			
Power factor range	0.8Leading ~ 0.8Lagging			
Safety level	Class I			
Ingress Protection	IP65			
Operation Ambient Temperature	-25°C - +60°C			
Software Version	TI1.0			

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-190083.

Ratings & Principle Characteristics:

Model	MAX 90KTL3 MV	MAX 100KTL3 MV
Max. PV voltage	1100 d.c.V	
PV voltage range	200-1000 d.c.V	
PV Isc	32 d.c.A*7	
Max. input current	26 d.c.A*7	
Max. output power	90000W	100000W
Max. apparent power	99900VA	111000VA
Nominal output voltage	3W+PE 288/500 a.c.V	
Max. output current	115.7 a.c.A	128.6 a.c.A
Nominal output frequency	50/60Hz	
Power factor range	0.8Leading ~ 0.8Lagging	
Safety level	Class I	
Ingress Protection	IP65	
Operation Ambient Temperature	-25°C - +60°C	
Software Version	TI1.0	

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SHENZHEN CHENGXIN TECHNOLOGY SERVICE CO., LTD.

Address: No. 13, Aiqun Road, Shiyan Street, Baoan District, Shenzhen,
Guangdong, China.
Post Code: 518108

Tel: +86-755-21128889 FAX: +86-755-21138889
http:// www.ctsco.cn E-Mail: manager@ctsco.cn



Certificate of Compliance

No.: CTS20200011-E

Product: PV Grid Inverter

Model No.: MAX 80KTL3 LV, MAX 75KTL3 LV, MAX 70KTL3 LV,
MAX 60KTL3 LV, MAX 50KTL3 LV

Applicant: SHENZHEN GROWATT NEW ENERGY TECHNOLOGY
CO.,LTD.

Applicant address: 1st East & 3rd Floor of Building A, Building B, Jiayu Industrial
Park, #28, GuangHui Road, LongTeng Community, Shiyan Street,
Baoan District, Shenzhen, P.R. China.

Manufacturer: SHENZHEN GROWATT NEW ENERGY TECHNOLOGY
CO.,LTD.

Manufacturer address: 1st East & 3rd Floor of Building A, Building B, Jiayu Industrial
Park, #28, GuangHui Road, LongTeng Community, Shiyan Street,
Baoan District, Shenzhen, P.R. China.

This is to certify that the product listed above in accordance with the following European harmonized standards:

EN 61000-3-11:2000, IEC 61000-3-11:2000
EN 61000-3-12:2011, IEC 61000-3-12:2011

and comply with the EMC Directive 2014/30/EU.

Signed for and on behalf of

SHENZHEN CHENGXIN TECHNOLOGY SERVICE CO., LTD.



Lu Tongzhou, Technical Director

Date: Apr. 02, 2020



中国认可
国际互认
检测
TESTING
CNAS L2291

Bldg 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China
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Certificate of Conformity

NO.: ES191112035E

The following product has been tested by us with the listed standards and found in conformity with the council EMC directive 2014/30/EU. It is possible to use CE marking to demonstrate the conformity with this EMC Directive.

Applicant : Shenzhen Growatt New Energy Technology Co.,LTD
 Address : 1st East & 3rd Floor of Building A, Building B, Jiayu Industrial Park, #28, GuangHui Road, LongTeng Community, Shiyan street, Baoan, District, Shenzhen, P.R.China
 Manufacturer : Shenzhen Growatt New Energy Technology Co.,LTD
 Address : 1st East & 3rd Floor of Building A, Building B, Jiayu Industrial Park, #28, GuangHui Road, LongTeng Community, Shiyan street, Baoan, District, Shenzhen, P.R.China
 Trade Mark : Growatt
 EUT : PV Grid Inverter
 M/N : MAX 50KTL3 LV, MAX 60KTL3 LV, MAX 60KTL3 MV, MAX 70KTL3 LV, MAX 70KTL3 MV, MAX 75KTL3 LV, MAX 80KTL3 LV, MAX 80KTL3 MV, MAX 90KTL3 MV, MAX 100KTL3 MV
 Test Standards : EN 61000-6-4: 2007+A1: 2011
 EN 61000-6-2: 2005



[Signature]

(Manager)

November 29, 2019

The certificate is based on a single evaluation of one sample of above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab. logo.