

Prezado Cliente,

A lista abaixo é para simples conferência dos modelos de inversores aceitos pela Enel para uso em Geração Distribuída.

A presença do modelo nessa lista ou com certificação do Inmetro é condição necessária para aprovação do projeto de GD (Geração Distribuída).

Caso o modelo de interesse tenha potência acima de 10kW e não possua nem certificação do Inmetro e nem esteja nesta lista, favor consultar as orientações ao final deste documento.

INVERSORES CADASTRADOS	
Fabricante	Modelo
ABB	TRIO 20.0- TL-OUTD
ABB	TRIO 27.6- TL-OUTD
ABB	TRIO 50.0- TL-OUTD
ABB	TRIO 60.0- TL-OUTD
ABB	TRIO-33.0-TL-OUTD / PRO-33.0-TL-OUTD-400 / PRO-33.0-TL-OUTD-S-400 / PRO-33.0-TL-OUTD-SX-400
ABB	PVI-10.0-TL-OUTD
ABB	PVI-12.5-TL-OUTD
ABB	PVS-50-TL
ABB	PVS-50-TL-S
ABB	PVS-50-TL-SX
ABB	PVS-50-TL-SX2
ABB	PVS-60-TL
ABB	PVS-60-TL-S
ABB	PVS-60-TL-SX2
ABB	PVS-60-TL-SX2
ABB	PVS 100-TL
ABB	PVS 120-TL
ABB	PVS 175-TL
Afore	BNT015KTL
Afore	BNT017KTL
Afore	BNT020KTL
Afore	BNT025KTL
B&B Power/MOSO/Renovigi	ST 12000TL
B&B Power / MOSO	ST 15000TL
B&B Power / MOSO	ST 17000TL
B&B Power/MOSO/Renovigi	ST 20000TL

INVERSORES CADASTRADOS	
Fabricante	Modelo
Canadian Solar	CSI-20KTL-GI-FL
Canadian Solar	CSI-25KTL-GI-FL
Canadian Solar	CSI-30KTL-GI-FL
Canadian Solar	CSI-40KTL-GI-FL
Canadian Solar	CSI-50KTL-GI = SOLIS 50K
Canadian Solar	CS-100KTL-GI-E
Canadian Solar	CS-125KTL-GI-E
Chint Power	CPS SCA 10KTL-T/EU
Chint Power	CPS SCA 12KTL
Chint Power	CPS SCA 15KTL-T/EU
Chint Power	CPS SCA 17KTL-T
Chint Power	CPS SCA 20KTL-T
Chint Power	CPS SCA 22KTL-T
Chint Power	CPS SCA 25KTL
Chint Power	CPS SCA 30KTL-T/EU
Chint Power	CPS SCA 50KTL
Chint Power	CPS SCA 50KTL-T/EU
Chint Power	CPS SCA 60KTL-T/EU
Chint Power	CPS SCH 100KTL-DO
Chint Power	CPS SCH 125KTL-DO
Chint Power	CPS SCA 500KTL-H
Chint Power	CPS SCA 1000KTL-H
Deye	SUN-12K-G02
Deye	SUN-15K-G02
Deye	SUN-20K-G02
Deye	SUN-25K-G
Deye	SUN-33K-G
Deye	SUN-35K-G
Deye	SUN-40K-G
Deye	SUN-50K-G
Deye	SUN-60K-G
Deye	SUN-70K-G
Deye	SUN-75K-G
Deye	SUN-80K-G
ELGIN	SUN-25K-G
ELGIN	SUN-30K-G
ELGIN	SUN-33K-G
ELGIN	SUN-35K-G
ELGIN	SUN-40K-G
ELGIN	SUN-50K-G
EMPALUX	NAC15K-DT

INVERSORES CADASTRADOS	
Fabricante	Modelo
EMPALUX	NAC20K-DT
EMPALUX	NAC25K-DT
EMPALUX	NAC30K-DT
EMPALUX	NAC50K
EMPALUX	NAC60K
EMPALUX	NAC70K
EMPALUX	NAC80K
Fronius	Eco 25.0-3-S
Fronius	Eco 27.0-3-S
Fronius	SYMO 12.5-3-M
Fronius	SYMO 15.0-3-M
Fronius	SYMO 17.5-3-M
Fronius	SYMO 20.0-3-M
Fronius	SYMO Brasil 12.0-3 208/240
Fronius	SYMO Brasil 15.0-3 208/240
Ginlong	Solis-3P12K-4G
Ginlong	Solis-3P15K-4G
Ginlong	Solis-3P17K-4G
Ginlong	Solis-3P20K-4G
Ginlong	Solis-15K-LV (=RENO-15K-LV)
Ginlong	Solis-20K-LV (=RENO-20K-LV)
Ginlong	Solis-25K
Ginlong	Solis-25K-LV
Ginlong	Solis-25K-5G
Ginlong	Solis-30K (=RENO-30K-LV)
Ginlong	Solis-30K-LV
Ginlong	Solis-30K-5G
Ginlong	Solis-33K-5G
Ginlong	Solis-36K-HV
Ginlong	Solis-40K-HV
Ginlong	Solis-40K-5G
Ginlong	Solis-50K
Ginlong	Solis-50K-HV
Ginlong	Solis-50K-5G
Ginlong	Solis-60K
Ginlong	Solis-60K-4G
Ginlong	Solis-60K-5G
Ginlong	Solis-70K-5G
Ginlong	Solis-75K-5G
Ginlong	Solis-80K-5G
Ginlong	Solis-100K-EHV-5G

INVERSORES CADASTRADOS	
Fabricante	Modelo
Ginlong	Solis-125K-EHV-5G
Ginlong	URE-50K
Ginlong	URE-50K-HV
Ginlong	URE-60K-HV
GOODWE	GW10K-DT
GOODWE	GW12K-DT
GOODWE	GW12KLV-MT
GOODWE	GW15K-DT
GOODWE	GW15KLV-MT
GOODWE	GW17K-DT
GOODWE	GW20K-DT
GOODWE	GW20KLV-MT
GOODWE	GW25K-DT
GOODWE	GW25K-MT
GOODWE	GW30K-MT
GOODWE	GW30KLV-MT
GOODWE	GW35KLV-MT
GOODWE	GW36K-MT
GOODWE	GW50K-MT
GOODWE	GW50KN-MT
GOODWE	GW50KBF-MT
GOODWE	GW60K-MT
GOODWE	GW60KN-MT
GOODWE	GW60KBF-MT
GOODWE	GW70KHV-MT
GOODWE	GW75KBF-MT
GOODWE	GW80KBF-MT
GOODWE	GW80KHV-MT
GROWATT	12000TL3
GROWATT	12000TL3-S
GROWATT	13000TL3-S
GROWATT	15000TL3-S
GROWATT	17000TL3-S
GROWATT	17000TL3-SE
GROWATT	20000 EU
GROWATT	20000TL3-S
GROWATT	20000TL3-SE
GROWATT	22000TL3-SL
GROWATT	25000TL3-S
GROWATT	25000TL3-SE
GROWATT	30000TL3-S

INVERSORES CADASTRADOS	
Fabricante	Modelo
GROWATT	33000TL3-S
GROWATT	40000TL3-S
GROWATT	60000TL3-L
GROWATT	MAC 40KTL3-X LV
GROWATT	MAC 50KTL3-X LV
GROWATT	MAC 60KTL3-X LV
GROWATT	MAC 50KTL3-X MV
GROWATT	MAC 60KTL3-X MV
GROWATT	MAC 66KTL3-X MV
GROWATT	MAC 70KTL3-X MV
GROWATT	MAX 50KTL3 LV
GROWATT	MAX 60KTL3 LV
GROWATT	MAX 70KTL3 LV
GROWATT	MAX 75KTL3 LV
GROWATT	MAX 80KTL3 LV
GROWATT	MAX 60KTL3 MV
GROWATT	MAX 70KTL3 MV
GROWATT	MAX 80KTL3 MV
GROWATT	MID12KTL3-X
GROWATT	MID15KTL3-X
GROWATT	MID17KTL3-X
GROWATT	MID20KTL3-X
GROWATT	MID22KTL3-X
GROWATT	MID25KTL3-X
GROWATT	8000TL3-S
GROWATT	9000TL3-S
GROWATT	10000TL3-S
GROWATT	11000TL3-S
Guangzhou Sanjing (SAJ)	SunTrio Plus 12K
Guangzhou Sanjing (SAJ)	SunTrio Plus 15K
Guangzhou Sanjing (SAJ)	SunTrio Plus 17K
Guangzhou Sanjing (SAJ)	SunTrio Plus 20K
Guangzhou Sanjing (SAJ)	SunTrio Plus 25K
Guangzhou Sanjing (SAJ)	SunTrio Plus 33K
Guangzhou Sanjing (SAJ)	SunTrio Plus 40K

INVERSORES CADASTRADOS	
Fabricante	Modelo
Guangzhou Sanjing (SAJ)	SunTrio Plus 50K
Guangzhou Sanjing (SAJ)	SunTrio Plus 60K
HopeWind	hopeSun36KTL
HopeWind	hopeSun40KTL
HopeWind	hopeSun50KTL
HopeWind	hopeSun50KTL-M
HopeWind	hopeSun60KTL
HopeWind	hopeSun60KTL-M
HopeWind	hopeSun70KTL
HopeWind	hopeSun70KTL-M
HopeWind	hopeSun75KTL
HopeWind	hopeSun80KTL-M
Huawei	SUN 2000 – 12KTL-M0
Huawei	SUN 2000 – 15KTL-M0
Huawei	SUN 2000 – 17KTL-M0
Huawei	SUN 2000 – 20KTL-M0
Huawei	SUN 2000 – 33KTL – A
Huawei	SUN 2000 – 12KTL-M2
Huawei	SUN 2000 – 15KTL-M2
Huawei	SUN 2000 – 17KTL-M2
Huawei	SUN 2000 – 20KTL-M2
Huawei	SUN 2000 – 36KTL
Huawei	SUN 2000 – 50KTL
Huawei	SUN 2000 – 60KTL
Huawei	SUN 2000–60KTL-MO
Huawei	SUN 2000–65KTL-MO
Huawei	SUN 2000–100KTL-H1
Huawei	SUN 2000–100KTL-M1
Huawei	SUN 2000–100KTL-INM0
Huawei	SUN 2000–105KTL-H1
Huawei	SUN 2000–185KTL-H1
Ingeteam	880TL M345 DCA Indoor
Ingeteam	Ingecon uWIND 2.5TL (Eólico)
Ingeteam	Ingecon uWIND 3TL (Eólico)
Ingeteam	Ingecon uWIND 3.3TL (Eólico)
Ingeteam	Ingecon uWIND 3.68TL (Eólico)
Ingeteam	Ingecon uWIND 3.8TL (Eólico)
Ingeteam	Ingecon uWIND 4.6TL (Eólico)
Ingeteam	Ingecon uWIND 5TL (Eólico)

INVERSORES CADASTRADOS	
Fabricante	Modelo
Ingeteam	Ingecon uWIND 6TL (Eólico)
Ingeteam	INGECON SUN 12,5TL
Ingeteam	INGECON SUN 15TL
Ingeteam	INGECON SUN 20TL
Ingeteam	INGECON SUN 28TL
Ingeteam	INGECON SUN 33TL
Ingeteam	INGECON SUN 12,5TL M
Ingeteam	INGECON SUN 15TL M
Ingeteam	INGECON SUN 20TL M
Ingeteam	INGECON SUN 24TL M480
Ingeteam	INGECON SUN 28TL M
Ingeteam	INGECON SUN 33TL M
Ingeteam	INGECON SUN 40TL M480
Ingeteam	INGECON SUN 100TL
Ingeteam	INGECON SUN POWER 1000TL B360
Ingeteam	INGECON SUN POWER 1170TL B450
Ingeteam	INGECON SUN POWER 1640TL B630
Ingeteam	INGECON SUN POWER 1690TL B650
Intelbras	EGT 10500 PRO
Intelbras	EGT 12000 MAX G2
Intelbras	EGT 13000 MAX
Intelbras	EGT 15000 MAX
Intelbras	EGT 15000 MAX G2
Intelbras	EGT 15000 MAX 220V
Intelbras	EGT 17000 MAX
Intelbras	EGT 20000 MAX
Intelbras	EGT 22000 MAX
Intelbras	EGT 22000 MAX 220V
Intelbras	EGT 20000 MAX 220V
Intelbras	EGT 25000 MAX
Intelbras	EGT 30000 MAX
Intelbras	EGT 33000 MAX
Intelbras	EGT 40000 MAX
Intelbras	EGT 50000 MAX
Intelbras	EGT 60000 MAX
Intelbras	EGT 70000 MAX
Intelbras	EGT 80000 MAX
KSTAR - Komeco	KSG-12K KOFV IN 12KW – AR

INVERSORES CADASTRADOS	
Fabricante	Modelo
KSTAR	KSG-15K
KSTAR - Komeco	KSG-20K INVERSOR KOFV IN 20KW - AR
KSTAR - Komeco	KSG-30K INVERSOR KOFV IN 30KW - AR
KSTAR	KSG-32K
KSTAR	KSG-36K-HV
KSTAR - Komeco	KSG-50K INVERSOR KOFV IN 50KW - AR
KSTAR - Komeco	KSG-60K INVERSOR KOFV IN 60KW - AR
KSTAR	KSG-60K-HV
MBTech (ecoSolis)	ES GT-10K
MBTech (ecoSolis)	ES GT-10K-220
MBTech (ecoSolis)	ES GT-12K
MBTech (ecoSolis)	ES GT-12K-220
MBTech (ecoSolis)	ES GT-15K
MBTech (ecoSolis)	ES GT-16K-220
MBTech (ecoSolis)	ES GT-30K
MBTech (ecoSolis)	ES GT-60K
Ningbo Sunways	STT-12KTL
Ningbo Sunways	STT-15KTL
Ningbo Sunways	STT-17KTL
Ningbo Sunways	STT-20KTL
Ningbo Sunways	STT-25KTL
Omnik New Energy	Omniksol-13k-TL3
Omnik New Energy	Omniksol-50K-TL3-H
PHB Solar	PHB20K-DT
PHB Solar	PHB25K-DT
PHB Solar	PHB35K-MT
PHB Solar	PHB60K-MT
Power-One	Aurora Trio-20.0TL-OUTD
Power-One	Aurora Trio-27.6TL-OUTD
REFU Elektronik GmbH	REFUsoL 20K
REFU Elektronik GmbH	REFUsoL 20K-2T
REFU Elektronik GmbH	REFUsoL 25K-2T (850P025)
REFU Elektronik GmbH	REFUsoL 30K-2T
REFU Elektronik GmbH	REFUsoL 33K-2T (850P033)
REFU Elektronik GmbH	REFUsoL 40K
REFU Elektronik GmbH	REFUsoL 46K
REFU Elektronik GmbH	REFUsoL 50K-3T
REFU Elektronik GmbH	REFUsoL 60K-3T

INVERSORES CADASTRADOS	
Fabricante	Modelo
REFU Elektronik GmbH	REFU _{sol} 70K-3T
RENAC	NAC12K-DT
RENAC (EMPALUX)	NAC15K-DT
RENAC (EMPALUX)	NAC20K-DT
RENAC (EMPALUX)	NAC25K-DT
RENAC (EMPALUX)	NAC30K-DT
RENAC	NAC33K-DT
RENAC (EMPALUX)	NAC50K
RENAC (EMPALUX)	NAC60K
RENAC	NAC60K-HV
RENAC	NAC60K-LV
RENAC (EMPALUX)	NAC70K
RENAC (EMPALUX)	NAC80K
Renovigi	RENO 15K
Renovigi	RENO 15K-LV
Renovigi	RENO 20K
Renovigi	RENO 20K-LV
Renovigi	RENO 30K
Renovigi	RENO 30-K-LV
Renovigi	RENO 50K
Renovigi	RENO 60K
SAMIL POWER	SOLARLAKE 12000TL-PM
SAMIL POWER	SOLARLAKE 15000TL-PM
SAMIL POWER	SOLARLAKE 17000TL-PM
SAMIL POWER	SOLARLAKE 20000TL-PM
SAMIL POWER	SOLARLAKE 25000TL-PM
SAMIL POWER	SOLARLAKE 30000TL-PM
Schneider Electric	Conext CL 20000E
Schneider Electric	Conext CL 25000E
Schneider Electric	Conext CL 60
Serrana (East)	EA33kTLSI
Serrana (East)	EA40kTLSI
Serrana (East)	EA50kTLSI
ShenZhen - INVT Solar	iMars BG10KTR
ShenZhen - INVT Solar	iMars BG12KTR
ShenZhen - INVT Solar	iMars BG15KTR
ShenZhen - INVT Solar	iMars BG17KTR
ShenZhen - INVT Solar	iMars BG20KTR
ShenZhen - INVT Solar	iMars BG25KTR
ShenZhen - INVT Solar	iMars BG30KTR
ShenZhen - INVT Solar	iMars BG33KTR

INVERSORES CADASTRADOS	
Fabricante	Modelo
ShenZhen - INVT Solar	iMars BG40KTR
ShenZhen - INVT Solar	iMars BG50KTR
ShenZhen - INVT Solar	iMars BG60KTR
ShenZhen - INVT Solar	iMars BG70KTR
SMA	SUNNY TRIPOWER 15000TL
SMA	SUNNY TRIPOWER 20000TL
SMA	SUNNY TRIPOWER 25000TL
SMA	SUNNY TRIPOWER 12000TL
SMA	SUNNY TRIPOWER 50000
SMA	SHP-50
SMA	STP 15000TL-30
SMA	STP 20000TL-30
SMA	STP 25000TL-30
SMA	STP 60-10
SMA	STP 100-60
SMA	SHP-75
SMA	SHP100-20
SMA	SHP150-20
SMA eólica	SMA WINDY BOY WB 5000TL-21
SOFAR SOLAR	11KTL-X
SOFAR SOLAR	11000TL-LV
SOFAR SOLAR	12KTL-X
SOFAR SOLAR	13500TL-LV
SOFAR SOLAR	15000TL-SX
SOFAR SOLAR	16500TL-LV
SOFAR SOLAR	18000TL-LV
SOFAR SOLAR	20000TL-G2
SOFAR SOLAR	25000TL-G2
SOFAR SOLAR	27000TL-LV
SOFAR SOLAR	30000TL-G2
SOFAR SOLAR	33000TL-G2
SOFAR SOLAR	33000TL-LV
SOFAR SOLAR	50000TL
SOFAR SOLAR	60000TL
SOFAR SOLAR	70000TL-HV
SolarEdge	SE17K
SolarEdge	SE20.1K
SolarEdge	SE25K
SolarEdge	SE27.6K
SolarEdge	SE33.3K
SolarEdge	SE50K

INVERSORES CADASTRADOS	
Fabricante	Modelo
SolarEdge	SE55K
SolarEdge	SE66.6K
SolarEdge	SE75K
SolarEdge	SE82.8K
SolarEdge	SE100K
Solar Power	SPE 12KW
Solar Power	SPE 15KW
Solar Power	SPE 20KW
Solar Power	SPE 25KW
Southwest Windpower	Skystream 3.7 (Eólico)
SUNGRID	SG60KTL
SUNGROW	SG12KTL-M
SUNGROW	SG15KTL-M
SUNGROW	SG17KTL-M
SUNGROW	SG20KTL-M
SUNGROW	SG25CX-SA
SUNGROW	SG33KTL-M
SUNGROW	SG33CX
SUNGROW	SG36KTL-M
SUNGROW	SG40KTL-M
SUNGROW	SG40CX
SUNGROW	SG50KTL
SUNGROW	SG50CX
SUNGROW	SG60KTL
SUNGROW	SG110CX
SUNGROW	SG125HV
SUNGROW	SG250HX
SUNGROW	SG250HX-IN
WEG	SMA 25000TL-30
WEG	SIW600 T020-44
WEG	SIW500H ST012 (SUN 2000 – 12KTL-M0)
WEG	SIW500H ST013 (SUN 2000 – 12KTL)
WEG	SIW500H ST015 (SUN 2000 – 15KTL-M0)
WEG	SIW500H ST018 (SUN 2000 – 17KTL)
WEG	SIW500H ST020 (SUN 2000 – 20KTL-M0)
WEG	SIW500H ST022 (SUN 2000 – 20KTL)
WEG	SIW500H ST030 (SUN 2000 – 33KTL-A)
WEG	SIW500H ST036 (SUN 2000 – 36KTL)
WEG	SIW500H ST040 (SUN 2000 – 36KTL)
WEG	SIW500H ST050 (SUN 2000 – 50KTL)
WEG	SIW500H ST060 (SUN 2000 – 60KTL)

INVERSORES CADASTRADOS	
Fabricante	Modelo
WEG	SUN 2000-60KTL-MO
WEG	SUN 2000-65KTL-MO
WEG	SUN 2000-100KTL-H1
WEG	SUN 2000-105KTL-H1

Instruções para modelo de inversor acima de 10kW e que não está na lista e nem possui certificação do Inmetro

Para as situações que a Enel precise avaliar previamente a documentação do fabricante objetivando a inclusão na lista acima, as diretrizes a serem seguidas correspondem a mesma metodologia praticada pelo Inmetro no que diz respeito à avaliação de conformidade e certificação de produto, ou seja, todos os certificados devem ser emitidos por laboratórios acreditados pelo Inmetro ou organismos que seja signatário de um acordo de reconhecimento mútuo do qual o Inmetro faça parte, como o Interamerican Accreditation Cooperation (IAAC) ou o International Laboratory Accreditation Cooperation (ILAC). A Enel não avalia modelos de inversor com potência abaixo de 10kW, pois estes tem homologação compulsória do Inmetro.

Portaria nº 357/2014 do Inmetro.

A seguir os itens a serem avaliados.

Ensaio	Normas de referência
Cintilação	IEC61727, NBR16149/NBR16150, IEC61000-3-3/IEC61000-3-11/IEC61000-3-5
- Injeção de Componente Contínua; -Harmônicos e Distorção de Forma de Onda; -Fator de Potência; - Injeção/Demanda de Potência Reativa; -Sobre/Sub Tensão; - Sobre/Sub Frequência; -Controle da Potência Ativa em Sobrefrequência; -Reconexão; - Religamento Automático Fora de Fase; -Modulação de Potência Ativa; -Modulação de Potência Reativa; -Desconexão do Sistema Fotovoltaico da Rede; - Suportabilidade a Subtensões Decorrentes de Falhas na Rede; -Inversão de polaridade.	IEC61727, NBR16149/NBR16150

Ensaio	Normas de referência
Sobrecarga	IEC61683, IEC62109
Anti-Ilhamento	IEC62116, NBR-IEC62116
60Hz	IEC61727, NBR16149/NBR16150, IEC61000-3-3/IEC61000-3-11/IEC61000-3-5, IEC61683, IEC62109, IEC62116, NBR-IEC62116

Caso possua toda a documentação citada na tabela acima, favor clicar no [link](#) ou pelo QR code abaixo para cadastro da solicitação.

