

DISR

**LISTA INVERTOARELOR PENTRU CARE AU FOST TRANSMISE LA DEER  
DOCUMENTE DE CERTIFICARE CONFORM STANDARDELOR PÂNĂ LA 07.03.2022**

<b>DENUMIRE INVERTOR</b>	<b>TIP INVERTOR</b>	<b>STANDARDE DE CONFORMITATE APLICABILE</b>
HUAWEI	SUN2000L-2KTL	EN 50549-1:2019
	SUN2000-2KTL-L1	
	SUN2000L-3KTL	
	SUN2000-3KTL-L1	
	SUN2000L-3,68KTL	
	SUN2000-3,68KTL-L1	
	SUN2000L-4KTL	
	SUN2000-4KTL-L1	
	SUN2000L-4,6KTL	
	SUN2000-4,6KTL-L1	
	SUN2000L-5KTL	
	SUN2000-5KTL-L1	
	SUN2000-6KTL-L1	
	SUN2000-2KTL-L0	
	SUN2000-3KTL-L0	
	SUN2000-4KTL-L0	
	SUN2000-5KTL-L0	
	SUN2000-3KTL-M0	
	SUN2000-4KTL-M0	
	SUN2000-5KTL-M0	
	SUN2000-6KTL-M0	
	SUN2000-8KTL-M0	
	SUN2000-10KTL-M0	
	SUN2000-3KTL-M1	
	SUN2000-4KTL-M1	
	SUN2000-5KTL-M1	
	SUN2000-6KTL-M1	
	SUN2000-8KTL-M1	
	SUN2000-10KTL-M1	
	SUN2000-12KTL-M0	
	SUN2000-15KTL-M0	
	SUN2000-17KTL-M0	
	SUN2000-20KTL-M0	
SUN2000-8KTL-M2		
SUN2000-10KTL-M2		
SUN2000-12KTL-M2		
SUN2000-15KTL-M2		
SUN2000-17KTL-M2		

	SUN2000-20KTL-M2	
	SUN2000-50KTL-M0	
	SUN2000-60KTL-M0	
	SUN2000-100KTL-M1	
	SUN2000-15KTL-M3	
	SUN2000-17KTL-M3	
	SUN2000-20KTL-M3	
	SUN2000-23KTL-M3	
	SUN2000-30KTL-M3	
	SUN2000-36KTL-M3	
	SUN2000-40KTL-M3	
	SUN2000-100KTL-H1	
	SUN2000-105KTL-H1	
	SUN2000-168KTL-H1	
	SUN2000-185KTL-H1	
	SUN2000-200KTL-H2	
	SUN2000-215KTL-H0	
		EN 50549-2:2019
KACO	KACO blueplanet 3.0 TL3 M2 WM OD IIG0	
	KACO blueplanet 4.0 TL3 M2 WM OD IIG0	
	KACO blueplanet 5.0 TL3 M2 WM OD IIG0	
	KACO blueplanet 6.5 TL3 M2 WM OD IIG0	
	KACO blueplanet 7.5 TL3 M2 WM OD IIG0	
	KACO blueplanet 8.6 TL3 M2 WM OD IIG0	
	KACO blueplanet 9.0 TL3 M2 WM OD IIG0	
	KACO blueplanet 10.0 TL3 M2 WM OD IIG0	
	KACO blueplanet 50.0 TL3 M1 WM OD IIGB	
	KACO blueplanet 50.0 TL3 M1 WM OD IIGM	
	KACO blueplanet 50.0 TL3 M1 WM OD HUGM	
	KACO blueplanet 50.0 TL3 M1 WM OD IIGS	
	KACO blueplanet 50.0 TL3 M1 WM OD IIGX	
	KACO blueplanet 50.0 TL3 M1 WM OD FRGX	
	KACO blueplanet 50.0 TL3 M1 WM OD HUGX	
	KACO blueplanet 50.0 TL3 M1 WM OD JPGX	
	KACO blueplanet 87.0 TL3 M1 WM OD IIF0	
	KACO blueplanet 87.0 TL3 M1 WM OD IIFX	
	KACO blueplanet 92.0 TL3 M1 WM OD IIG0	
	KACO blueplanet 92.0 TL3 M1 WM OD IIGX	
	KACO blueplanet 110 TL3 M1 WM OD IIK0	
	KACO blueplanet 110 TL3 M1 WM OD IIKX	
	KACO blueplanet 125 TL3 M1 WM OD IIP0	
	KACO blueplanet 125 TL3 M1 WM OD IIPX	
	KACO blueplanet 137 TL3 M1 WM OD IIP0	
	KACO blueplanet 137 TL3 M1 WM OD IIPX	
	KACO blueplanet 150 TL3 M1 WM OD IIQ0	
	KACO blueplanet 150 TL3 M1 WM OD IIQX	
	KACO blueplanet 100 TL3 M1 WM OD IIF0	
		EN 50549-1:2019 EN 50549-2:2019
	SG0.7RS-S	
	SG1.0RS-S	
	SG1.5RS-S	
	SG2.0RS-S	
	SG2.5RS-S	
	SG3.0RS-S	

Sungrow	SG3.0RS	EN 50549-1:2019
	SG3.6RS	
	SG4.0RS	
	SG5.0RS	
	SG6.0RS	
	SG3.0RT	
	SG4.0RT	
	SG5.0RT	
	SG6.0RT	
	SG7.0RT	
	SG8.0RT	
	SG10RT	
	SG12RT	
	SG15RT	
SG17RT		
Sungrow	SG20RT	EN 50549-1:2019
	SH5.0RT	
	SH6.0RT	
	SH8.0RT	
	SH10RT	
	SG 33CX	
	SG 40CX	
	SG 50CX	
	SG 110CX	
	SG 125HX	
SG 250HX		
SMA Solar Technology AG	SBS3.7-10	EN 50549-1:2019
	SBS5.0-10	
	SBS6.0-10	
	STP 50-40	EN 50549-1:2019 EN 50549-2:2019
	STP 50-41	
	STP 15000TL-30	
	STP 17000TL-30	
	STP 20000TL-30	
STP 25000TL-30		
FRONIUS	PRIMO 3.0-1	EN 50549-1:2019
	PRIMO 3.5-1	
	PRIMO 3.6-1	
	PRIMO 4.0-1	
	PRIMO 4.6-1	EN 50549-1:2019 Se va verifica condiția de nesimetrie maximă de 16 A la elaborarea FS
	PRIMO 5.0-1	
	PRIMO 5.0-1 AUS	
	PRIMO 6.0-1	
	PRIMO 8.2-1	EN 50549-1:2019
	SYMO 10.0-3-M	
	SYMO 10.0-3-M-OS	
	SYMO 12.5-3-M	
	SYMO 15.0-3-M	
	SYMO 17.5-3-M	
SYMO 20.0-3-M		
FIMER ABB	UNO-DM-1.2-TL-PLUS	EN 50549-1:2019
	UNO-DM-2.0-TL-PLUS	

	UNO-DM-3.0-TL-PLUS	
	UNO-DM-3.3-TL-PLUS	
	UNO-DM-4.0-TL-PLUS	
	UNO-DM-4.6-TL-PLUS	
	UNO-DM-5.0-TL-PLUS	
	UNO-DM-6.0-TL-PLUS	EN 50549-1:2019
ABB	PVS-50-TL	EN 50549-1:2019 EN 50549-2:2019
	PVS-60-TL	EN 50549-2:2019
iMars INVT Solar Technology	iMars BG4KTR	EN 50549-1:2019
	iMars BG4KTR-S	
	iMars BG5KTR	
	iMars BG5KTR-S	
	iMars BG6KTR	
	iMars BG8KTR	
	iMars BG10KTR	
	iMars BG20KTR	
	iMars BG25KTR	
	iMars BG30KTR	
	iMars BG33KTR	
	iMars BG35KTR	
	iMars MG750TL	
	iMars MG1KTL	
	iMars MG1K5TL	
	iMars MG2KTL	
	iMars MG3KTL	
	iMars MG4KTL	
	iMars MG4K6TL	
	iMars MG5KTL	
	iMars MG5K5TL	
	iMars MG6KTL	
	iMars MG3KTL-2M	
	iMars MG4KTL-2M	
iMars MG4K6TL-2M		
iMars MG5KTL-2M		
iMars MG5K5TL-2M		
iMars MG5K6TL-2M		
iMars MG6KTL-2M		
Chint	CPS SCA1KTL-S/EU	EN 50549-1:2019
	CPS SCA2KTL-S/EU	
	CPS SCA2.5KTL-S/EU	
	CPS SCA3KTL-S/EU	
	CPS SCA3KTL-SM/EU	
	CPS SCA3.6KTL-S/EU	
	CPS SCA3.6KTL-SM/EU	
	CPS SCA4KTL-SM/EU	
	CPS SCA4.6KTL-SM/EU	
	CPS SCA5KTL-SM/EU	
	CPS SCA6KTL-SM/EU	
	CPS SCA6KTL-T/EU	
	CPS SCA8KTL-T/EU	
	CPS SCA10KTL-T/EU	

	CPS SCA12KTL-T/EU	
	CPS SCA15KTL-T/EU	
	CPS SCA17KTL-T/EU	
	CPS SCA20KTL-T/EU	
	CPS SCA22KTL-T/EU	
	CPS SCA25KTL-T/EU	
	CPS SCA28KTL-T/EU	
	CPS SCA30KTL-T1/EU	
SOFAR SOLAR	SOFAR 3KTLM-G3	EN 50549-1:2019
	SOFAR 3.6KTLM-G3	
	SOFAR 4KTLM-G3	
	SOFAR 4.6KTLM-G3	
	SOFAR 5KTLM-G3	
	SOFAR 5KTLM-G3-A	
	SOFAR 6KTLM-G3	
Solarmax Produktions	Solarmax 50 SHT	EN 50549-1:2019
	Solarmax 50 SHT-S	
	Solarmax 50 SHT-S2	
	Solarmax 60 SHT	
	Solarmax 60 SHT-S	
	Solarmax 60 SHT-S2	
SolaX Power Network Technology	X3-4.0-S-D	EN 50549-1:2019
	X3-4.0-S-N	
	X3-4.0-T-D	
	X3-4.0-T-N	
	X3-5.0-S-D	
	X3-5.0-S-N	
	X3-5.0-T-D	
	X3-5.0-T-N	
	X3-6.0-T-D	
	X3-6.0-T-N	
	X3-7.0-T-D	
	X3-7.0-T-N	
	X3-8.0-T-D	
	X3-8.0-T-N	
	X3-9.0-T-D	
	X3-9.0-T-N	
	X3-10.0-T-D	
	X3-10.0-T-N	
SolarEdge Technologies Ltd	SE3K	EN 50549-1:2019
	SE4K	
	SE5K	
	SE6K	
	SE7K	
	SE8K	
	SE9K	
	SE10K	
	SE12,5K	
	SE15K	
	SE16K	
	SE17K	
	SE25K	

	SE27.6K	
	SE30K	
	SE33.3K	
	SE50K	
	SE55K	
	SE66.6K	
	SE82.8K	
	SE90K	
	SE100K	
	SE5K-RWS	
	SE7K-RWS	
	SE8K-RWS	
	SE10K-RWS	
Growatt New Energy	MAX 50KTL3 LV	EN 50549-1:2019
	MAX 60KTL3 LV	
	MAX 70KTL3 LV	
	MAX 75KTL3 LV	
	MAX 80KTL3 LV	
Growatt New Energy	MAX 100KTL3-X LV	EN 50549-1:2019
	MAX 110KTL3-X LV	
	MAX 120KTL3-X LV	
	MAX 125KTL3-X LV	
	MAX 133KTL3-X LV	
	MIC 750TL-X	
	MIC 1000TL-X	
	MIC 1500TL-X	
	MIC 2000TL-X	
	MIC 2500TL-X	
	MIC 3000TL-X	
	MIC 3300TL-X	
	MID 17KTL3-X1	
	MID 20KTL3-X1	
	MID 22KTL3-X1	
	MID 25KTL3-X1	
	MID 30KTL3-X1	
	MID 33KTL3-X1	
	MID 36KTL3-X1	
	MID 40KTL3-X1	
	MID 10KTL3-X	EN 50549-1:2019
	MID 12KTL3-X	
	MID 15KTL3-X	
	MID 17KTL3-X	
	MID 20KTL3-X	
	MID 22KTL3-X	
	MID 25KTL3-X	
	MIN 2500TL-X(E)(H)	
	MIN 3000TL-X(E)(H)	
	MIN 3600TL-X(E)(H)	
MIN 4200TL-X(E)(H)		
MIN 4600TL-X(E)(H)		
MIN 5000TL-X(E)(H)		
MIN 6000TL-X(E)(H)		

	MOD 3000TL3-X(H)	
	MOD 4000TL3-X(H)	
	MOD 5000TL3-X(H)	
	MOD 6000TL3-X(H)	
	MOD 7000TL3-X(H)	
	MOD 8000TL3-X(H)	
	MOD 9000TL3-X(H)	
	MOD 10KTL3-X(H)	
	MOD 11KTL3-X	
	MOD 12KTL3-X	
	MOD 13KTL3-X	
	MOD 15KTL3-X	
	SPH 4000TL3 BH(-UP)	
	SPH 5000TL3 BH(-UP)	
	SPH 6000TL3 BH(-UP)	
	SPH 7000TL3 BH(-UP)	
	SPH 8000TL3 BH(-UP)	
Growatt New Energy	SPH 10000TL3 BH(-UP)	EN 50549-1:2019
	SPA 4000TL3 BH(-UP)	
	SPA 5000TL3 BH(-UP)	
	SPA 6000TL3 BH(-UP)	
	SPA 7000TL3 BH(-UP)	
	SPA 8000TL3 BH(-UP)	
	SPA 10000TL3 BH(-UP)	
VICTRON ENERGY	Multiplus-II 48/3000/35-32	EN 50549-1:2019 <u>Nota:</u> Invertoare monofazate, se pot folosi doar pentru prosumatori/centrale de categoria A Se va verifica condiția de nesimetrie maximă de 16 A la elaborarea FS
	Multiplus-II 48/3000/35-32 GX	
	Multiplus-II 48/5000/70-50	
	Quattro 48/8000/110-100/100	
	Quattro 48/10000/140-100/100	
	Quattro 48/15000/200-100/100	

**Notă:** Protecțiile de interfață incluse în invertoare vor corespunde valorilor minime și maxime stabilite prin documentul „**CONDIȚII TEHNICE PENTRU GENERATOARE STATICE ȘI SINCRONE**” afișat pe site-ul DEER la următorul link :

<https://www.distributie-energie.ro/racordare-la-retea/racordare-producatori-energie-electrica/>

se dă click pe:

#### V. CONDIȚII TEHNICE PENTRU GENERATOARE MONTATE IN INSTALATIILE PROSUMATORULUI

Valorile protecțiilor de interfață vor fi setate în conformitate cu cerințele Ordinului ANRE 228/2018 completat cu Ord. 132/2020, urmand ca instalatorul să emită buletin de setare semnat și verificat de personalul DEER în cadrul probelor de punere în funcțiune. Buletinul de setare al protecțiilor va fi atașat la dosarul instalației.