


REFU Certificates Overview

































































































































































updated: 2019-12-18

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Country / Grid Code	Norm	Current Products			Archive		
		REFUsol 08K... 23K / 24K-UL	REFUsol 40K/46K (G2) / 48K-UL	REFUsol 100K / REFUstore 88K	REFUsol 20K (380V)	REFUsol 40K/46K (G1)	
	CE Declaration (1)	CE					
	CE Declaration (2)	CE (REFUstore)					
	CE Declaration (3)	CE (ConnectionBox)					
	Factory Inspection	Factory Inspection					
	VDE V 0126-1-1 DE	Automatic disconnection device between a generator and the public low-voltage grid (de)					
	VDE V 0126-1-1 EN	Automatic disconnection device between a generator and the public low-voltage grid (en)					
	IEC 62109-1 /2	Safety of power converters for use in photovoltaic power systems					
	IEC 61439-1 /2	Low-voltage switchgear and controlgear assemblies					
	IEC 62116	Utility-interconnected photovoltaic inverters - Test procedure of islanding prevention measures					
	IEC 61727	Photovoltaic (PV) systems - Characteristics of the utility interface					
	IEC 50438	Requirements for micro-generating plants to be connected in parallel with public low-voltage distribution networks					
	IEC 61683	Photovoltaic systems – Power conditioners – Procedure for measuring efficiency					
	IEC 60068, IEC 60529	Environmental testing, Degree of Protection					
	EN 61000	EMC conformity					
	P/Q Characteristic	P/Q Characteristic					
	FCC	FCC Part 15, Subpart B, Class A					
		Abu Dhabi	30.12.99				
		Australia	AS4777.2, AS4777.3, AS3100, SGS-Certificate				
		Austria	ÖVE/ÖNORM E 8001-4-712				
		Belgium	C10/C11, VDE V 0126-1-1 (nl)				
C10/C11, VDE V 0126-1-1 (fr)							
	Brasil	ABNT NBR 16149, 16150, IEC 62116					
	Bulgaria	VDE V 0126-1-1					
	Croatia	IEC 62109-1, IEC61727, IEC62116					
	Cyprus	EN50438					
	Czech Republic	VDE V 0126-1-1					
	Denmark	VDE-AR-N 4105					
	Estonia	VDE V 0126-1-1					
	France	UTE C15-712-1 (Islands 50Hz)					
		UTE C15-712-1 (Islands 60Hz)					
		VDE V 0126-1-1, UTE C15-712-1					
	Germany	Arrêté du 23. Avril 2008					
		VDE V 0126-1-1:2013 selbsttätige Schaltstelle zwischen einer netzparallelen Eigenerzeugungsanlage und dem öffentlichen Niederspannungsnetz (de)					
		VDE V 0126-1-1:2013 Automatic disconnection device between a generator and the public low-voltage grid (en)					
		VDE V 0126-1-1 selbsttätige Schaltstelle zwischen einer netzparallelen Eigenerzeugungsanlage und dem öffentlichen Niederspannungsnetz (de)					
		VDE V 0126-1-1 Automatic disconnection device between a generator and the public low-voltage grid (en)					
		BDEW Mittelspannung					
		AR-N 4105:2011-08, VDE 0124 G.2 / F.3 EZE (de)					
		AR-N 4105:2011-08, VDE 0124 G.2 / F.3 EZE (en)					
		AR-N 4105:2011-08, G.3 / F.4 NA-Schutz (de)					
		AR-N 4105:2011-08, G.3 / F.4 NA-Schutz (en)					
		AR-N 4105:2018-11 G.2 / F.3 EZE (en)					
AR-N 4105:2018-11 G.3 / F.4 NA-Schutz (en)							
AR-N 4110:2018-11 Prototype Declaration							

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Country / Grid Code	Norm	Current Products			Archive	
		REFUsoI 08K... 23K / 24K-UL	REFUsoI 40K/46K (G2) / 48K-UL	REFUsoI 100K / REFUstore 88K	REFUsoI 20K (380V)	REFUsoI 40K/46K (G1)
 Great Britain	G59/3 230V			<input type="radio"/>	<input type="radio"/>	
 Greece	VDE V 0126-1-1 (Continent)				<input type="radio"/>	
	VDE V 0126-1-1 (Islands)				<input type="radio"/>	
 Hungary	IEC 62109-1/-2, 61727, 62116				<input type="radio"/>	
 India	IEC 68000-x, 62109-1/-2, 61727, 62116, 61683			<input type="radio"/>	<input type="radio"/>	
 Israel	AS4777.2, AS4777.3, AS3100			<input type="radio"/>	<input type="radio"/>	
 Italy	CEI 0-21			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	CEI 0-21 (Dichiarazione di conformita')			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	CEI 0-16			<input type="radio"/>	<input type="radio"/>	
 Jordan	G59/3			<input type="radio"/>	<input type="radio"/>	
 Latvia	VDE V 0126-1-1				<input type="radio"/>	
 Lithuania					<input type="radio"/>	
 Luxembourg					<input type="radio"/>	
 Malaysia	AS4777+EN62109	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
 Malta	G59/3			<input type="radio"/>	<input type="radio"/>	
 Mexico	UL 1741, CSA C22.2 No. 107.1-01 ed: 3, UL SUBJECT 1699B		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
 Netherlands	VDE V 0126-1-1				<input type="radio"/>	
 Philippines		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
					30.12.99	
 Poland	EN50438				<input type="radio"/>	
 Portugal				<input type="radio"/>	<input type="radio"/>	
 Romania	VDE V 0126-1-1				<input type="radio"/>	
 Saudi Arabia					<input type="radio"/>	
 Serbia					<input type="radio"/>	
 Singapore	G59/3			<input type="radio"/>	<input type="radio"/>	
 Slovakia	VDE V 0126-1-1				<input type="radio"/>	
 Slovenia					<input type="radio"/>	
 South Africa	IEC 61727, IEC 62116, VDE V 0126-1-1		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
 South Korea	PV 502	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
 Spain	RD413, 1699, 661			<input type="radio"/>	<input type="radio"/>	
 Sri Lanka	IEC			<input type="radio"/>	<input type="radio"/>	
 Sweden	VDE V 0126-1-1				<input type="radio"/>	
 Switzerland	VDE V 0126-1-1 (fr)				<input type="radio"/>	
	VDE V 0126-1-1 (de)				<input type="radio"/>	
 Taiwan	VDE V 0126-1-1				<input type="radio"/>	
 Thailand	MEA	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	PEA (VDE V 0126-1-1; IEC 62727)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
 Tunisia	VDE V 0126-1-1, UTE C15-712-1 (en)				<input type="radio"/>	
	Société Tunisienne de l'Electricité et du Gaz (STEG)		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
 Turkey	VDE V 0126-1-1, EN 50438				<input type="radio"/>	
 Turkey	IEC 62109, IEC 61000, EN 60664, VDE AR-N 4105	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	
 United Arab Emirates	DEWA			<input type="radio"/>	<input type="radio"/>	
 USA	UL 1741, UL 1741 SA, CSA C22.2 No. 107.1-01 ed: 3, UL SUBJECT 1699B			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



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Certificate in progress



Certificate on request