



APPLICATION NOTES



AGC-4 Mk II Grid code compliance



1. Grid code compliance

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1. Grid code compliance

1.1 Overview

The AGC-4 Mk II uses option A10 or A20 to comply with the national grid codes listed in this document. Either option A10 or option A20 can be activated (but not both).

Grid codes that are not listed

The list is not exhaustive. If you need a reference that is not in the list, please contact DEIF.

Option A10

Option A10 is primarily used in Europe. The AGC-4 Mk II supports option A10 from software version 6.00 or later.



More information

See **Option A10 VDE AR-N 4110/4105 and G99 grid protections** for the configurations, functions, and parameters.

Option A20

Option A20 is primarily used in the USA and Canada. The AGC-4 Mk II supports option A20 from software version 6.05 or later.



More information

See **Option A20 IEEE 1547-2018 grid protection** for the configurations, functions, and parameters.

1.2 Grid code list

Country	Reference document	Use option
Austria	TOR Erzeuger Typ B Version 1.1, 12.12.2019 TOR Erzeuger Typ C Version 1.1, 12.12.2019	A10
Belgium	Technical Prescription C10/11 of Synergrid, edition 2.1, 01.09.2019	A10
Czech Republic	PRAVIDLA PROVOZOVÁNÍ, DISTRIBUČNÍCH SOUSTAV, PŘÍLOHA 4, PRAVIDLA PRO PARALELNÍ PROVOZ VÝROBEN A KUMULAČNÍCH ZAŘÍZENÍ SE SÍTÍ PROVOZOVATELE DISTRIBUČNÍ SOUSTAVY 2018/2020	A10
Denmark	VEJLEDNING RFG_Tilslutning af produktionsanlæg til transmissionsnettet revision 1 juni 2021	A10
European Union	EN 50549-2, 2019	A10
Finland	Fingrid Oyj VJV2018	A10
France	Arrêté du 9 juin 2020 relatif aux prescriptions techniques de conception et de fonctionnement pour le raccordement aux réseaux d'électricité. Synthese Concentration exigences techniques v3.8, 2019	A10
Germany	VDE-AR-N 4105, 2018*	A10
Germany	VDE-AR-N 4110, 2018*	A10
Ireland	Distribution Code, version 7, 2020. Conditions Governing Connection to the Distribution System: Connections at MV and 38kV and Generators at LV, MV and 38 kV (Item 7, Annex 1), Version 2, 2019.	A10
Italy	CEI 0-16 Regola tecnica di riferimento per la connessione di Utenti attivi e passivi alle reti AT ed MT delle imprese distributrici di energia elettrica, 2018	A10
Mexico	DOF-CRE Código de RED, 2016	A10
The Netherlands	Netcode elektriciteit, 2020	A10
Poland	Wymogi ogólnego stosowania wynikające z Rozporządzenia Komisji (UE) 2016/631 z dnia 14 kwietnia 2016 r. ustanawiającego kodeks sieci dotyczący wymogów w zakresie przyłączenia jednostek wytwórczych do sieci (NC RfG), 2018	A10
Romania	Ordin nr. 72 pentru aprobarea Normei tehnice privind cerințele tehnice de racordare la rețelele electrice de interes public pentru grupurile generatoare sincrone Ordin nr. 214 privind modificarea și completarea Ordinului președintelui Autorității Naționale de Reglementare în Domeniul Energiei nr. 7212017 pentru aprobarea Normei tehnice privind cerințele tehnice de racordare la rețelele electrice de interes public pentru grupurile generatoare sincrone	A10
Spain	PROPUESTA DE ORDEN POR LA QUE SE ESTABLECEN LOS REQUISITOS TÉCNICOS PARA LA CONEXIÓN A LA RED NECESARIOS PARA LA IMPLEMENTACIÓN DE LOS CÓDIGOS DE RED DE CONEXIÓN, 2019 Orden TED/749/2020, de 16 de julio, por la que se establecen los requisitos técnicos para la conexión a la red necesarios para la implementación de los códigos de red de conexión, 2020	A10
United Kingdom	Engineering Recommendation G99, Issue 1, Amendment 8, 2021	A10
USA	IEEE 1547.1, 2020*	A20
USA	UL/ULC 6200 standard for controllers for use in power production*	A20

NOTE * See **Approvals/Certifications** on www.deif.com/documentation/agc-4-mk-ii.