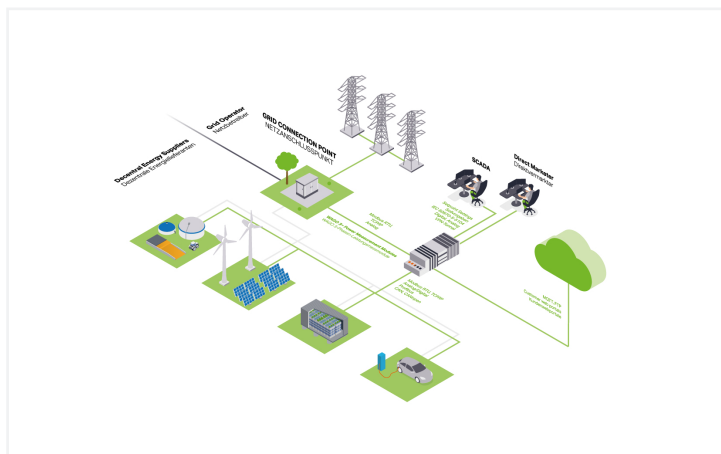




The WAGO Power Plant Control Library is a library with a control algorithm for the active and/or reactive power of power generation plants.

The control algorithm required by the grid operator for managing active and/or reactive power, along with the associated setpoint specifications, can be adapted during operation. This adaptation can be achieved through telecontrol technology in accordance with IEC 60870. The controller compares the specified setpoint values with the actual values measured at the network connection point and provides the calculated correction variables for the energy generation plant.

The CODESYS 3.5 library can be used with firmware version 23 and higher on PFC200 Controllers (from FW 23), Compact Controller 100 (from FW 23), Edge Controller (from FW 24), Touch Panel 600 (from FW 24) and PFC300 Controller (from FW 28). It is certified according to VDE-AR-N 4110, 4120 or 4130.

The library can be used for a 30-day trial period at no cost, after which a license for the specific controller is required. The license can be separately purchased under Item Number 2759-2031/211-1000.

Functions:

- $P_{\text{fix}}, Q_{\text{fix}}$: Fixed active/reactive power specifications
- $P_{(f)}$: Frequency-dependent active power regulation
- $P_{(U\text{off})}$: Active power ramp – restart after network failure
- $Q_{(P)}$: Reactive power control per active power characteristic
- $Q_{(U)}$: Reactive power control per voltage characteristic
- $Q_{(U\text{db})}$: Reactive power control per voltage characteristic with voltage limiting function
- $\cos\phi_{\text{fix}}$: Fixed displacement factor specification
- $P_{\text{SM}}, Q_{\text{SM}}$: Slave mode, looping through the external active/reactive power specifications

Certification available for:

Germany (VDE-AR-N 4110:2023-09; VDE-AR-N 4120:2018-11; VDE-AR-N 4130:2018-11)

Poland

Données du logiciel

Appareils supportés

- PFC200 Controller; 2nd Generation
- PFC300 Controller
- Compact Controller 100
- Edge Controller
- Touch Panel 600



Livraison		
Type de licence	Einzellizenz für eine Anlagengröße bis 1 MW	
Type de livraison	Certificat de licence par e-mail	
Remarque Type de licence	Une licence unique permet l'installation sur un contrôleur. Chaque contrôleur nécessite une li- cense.	
Remarque Type de licence (2)	Pour l'activation de la licence, une connexion Internet peut-être nécessaire.	
Génération de licence	DRM	

Données commerciales		
Unité d'emb. (SUE)	1 pce(s)	
Type d'emballage	pas de données	
GTIN	4066966752779	
Numéro du tarif douanier	88888888888	

Conformité environnementale du produit		
État de conformité RoHS	Compliant, No Exemption	

Téléchargements		
Conformité environnementale du produit		
Recherche de conformité		
Environmental Product Compliance 2759-2031/211-1000		