



CFW300 Mini Drives



RESOURCES

CFW300 - MINI DRIVES

- Available in 3 frames
- Programmable scalar control (V/f) or vector control
- SoftPLC: adds the functionalities of a PLC
- WPS: free software application to program both the VSD and the SoftPLC
- Functions like: Energy Saving, Fire Mode, Modbus Master
- Flash memory (module for copying parameters)
- Plug-in modules: RS485, RS232, CANopen, Profibus-DP, Ethernet, Potentiometer, USB, Encoder, Infrared, I/O expansion, RFI filter
- Rheostatic braking (frames B and C)
- Ambient temperature of 50°C for the whole line
- Power supply through DC link (standard in frames B and C)
- Plug-and-play expansion modules;
- 2 independent slots for function expansion – Communication and I/O



TECHNICAL CHARACTERISTICS

CFW300 MINI DRIVES

POWER RANGE

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AC Power Supply

FRAME	VOLTAGE	CV	KW
A	110-127 Vac / 1F	0.25 – 1.5	0.18 - 1.1
	200-240 Vac / 1F	0.25 – 2.0	0.18 – 1.5
	200-240 Vac / 3F	0.25 – 1.5	0.18 – 1.5
	380-415 Vac / 3F	0.5 – 3.0	0.37 – 2.2
	440 - 480 Vac / 3F	0.5 – 3.0	0.37 – 2.2
B	200-240 Vac / 1F_3F	3.0	2.2
	200-240 Vac / 3F	3.0 – 5.0	2.2 – 3.7
	380-415 Vac / 3F	0.5 – 5.0	0.37 – 3.7
	440 - 480 Vac / 3F	0.5 – 5.0	0.37 – 3.7
C	380-415 Vac / 3F	6.0 – 10.0	4.5 – 7.5
	440 - 480 Vac / 3F	6.0 – 10.0	4.5 – 7.5

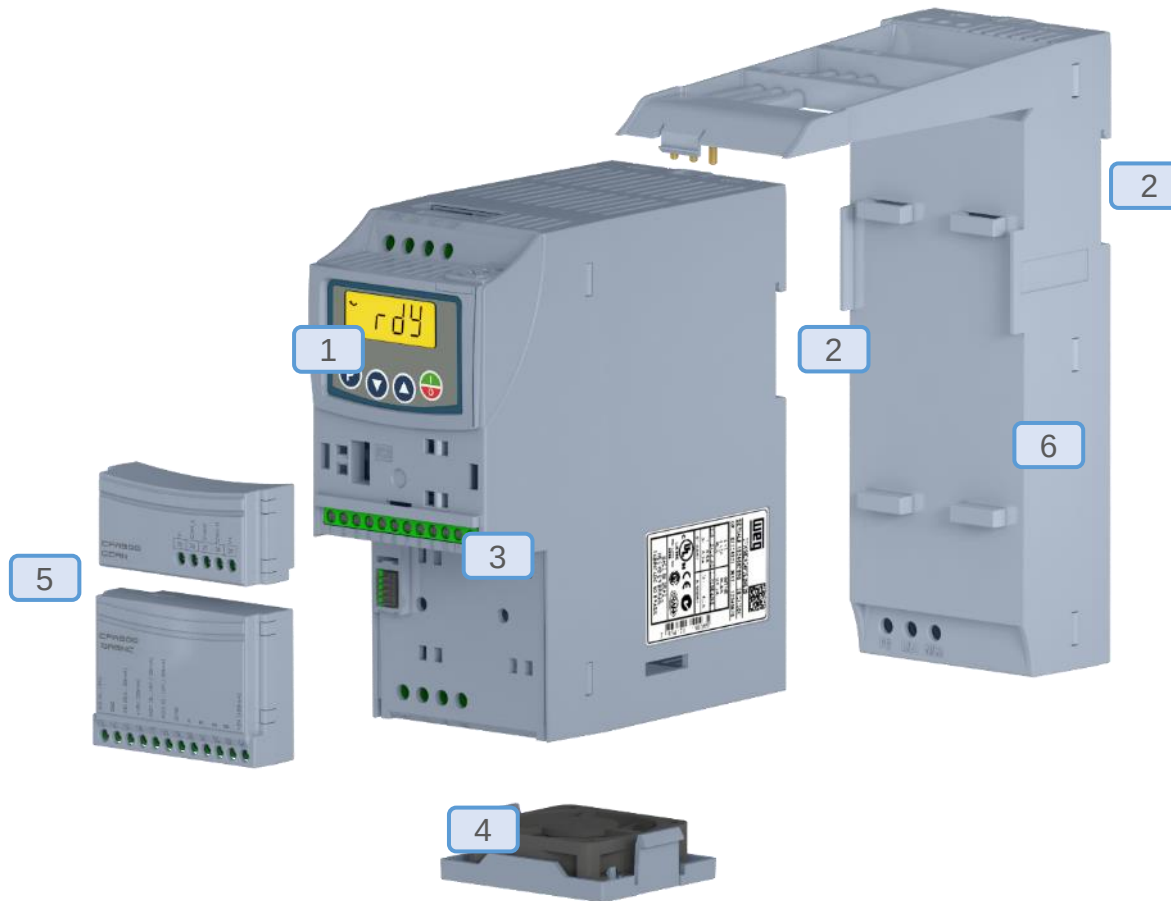


DC Power Supply

FRAME	VOLTAGE	CV	KW
A	280-340 Vcc	0.25 - 2	0.18 – 1.5
B	513-560 Vcc	0.5 - 5	0.37 – 3.7
B	594-650 Vcc	0.5 - 5	0.37 – 3.7
C	513-560 Vcc	6.0 – 10.0	4.5 – 7.5
	594-650 Vcc	6.0 – 10.0	4.5 – 7.5

SIMPLE INSTALLATION

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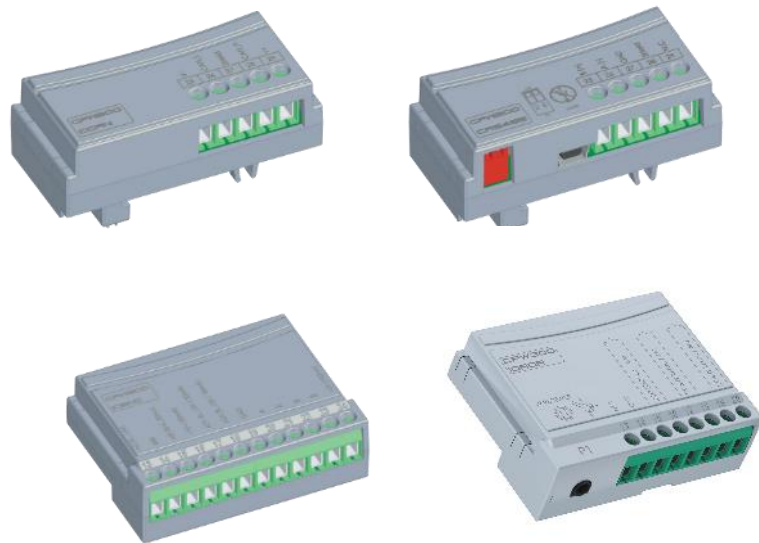


1. Built-in HMI
2. DIN rail mounting
3. Digital inputs
4. Easily removable fan
5. Plug-in modules – 2 slots for function expansion and customization of the application
6. RFI filter

FLEXIBILITY

CFW300 - MINI DRIVES

- The wide range of plug-in modules allows you to meet the application requirements
- Two slots available for function expansions



PLUG-IN MODULES

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Configuration of the Plug-In Modules⁶⁾

Reference	Slots ⁵⁾	Inputs			Outputs			Potentiometer	USB ⁴⁾	Infrared sensors and NTC ³⁾	Encoder ²⁾	Network communication		
		Analog	Digital	Frequency	Analog	Digital / relay	Frequency					RS485	RS232	Other
CFW300-CRS485	Upper slot	-	-	-	-	-	-	-	-	-	-	1	-	-
CFW300-CRS232		-	-	-	-	-	-	-	-	-	-	-	1	-
CFW300-CCAN		-	-	-	-	-	-	-	-	-	-	-	-	CANopen or DeviceNet
CFW300-CPDP		-	-	-	-	-	-	-	-	-	-	-	-	Profibus-DP
CFW300-CUSB		-	-	-	-	-	-	-	1	-	-	-	-	-
CFW300-IOP		-	-	-	-	-	-	1	-	-	-	-	-	-
CFW300-CETH		-	-	-	-	-	-	-	-	-	-	-	-	Modbus-TCP
CFW300-IOAR	Lower slot	1	-	-	1	3	-	-	-	-	-	-	-	-
CFW300-IODR ¹⁾		-	4	-	-	3	-	-	-	-	-	-	-	-
CFW300-IOAENC		1	-	-	2	-	-	-	-	-	1	-	-	-
CFW300-IOADR		1	-	-	-	3	-	-	-	1	-	-	-	-
CFW300-IOADR-D		-	-	-	-	3	-	-	-	1	-	-	-	-
CFW300-IODF		-	-	3	-	-	3	-	-	-	-	-	-	-



CCAN



CUSB



IOADR



CBLT



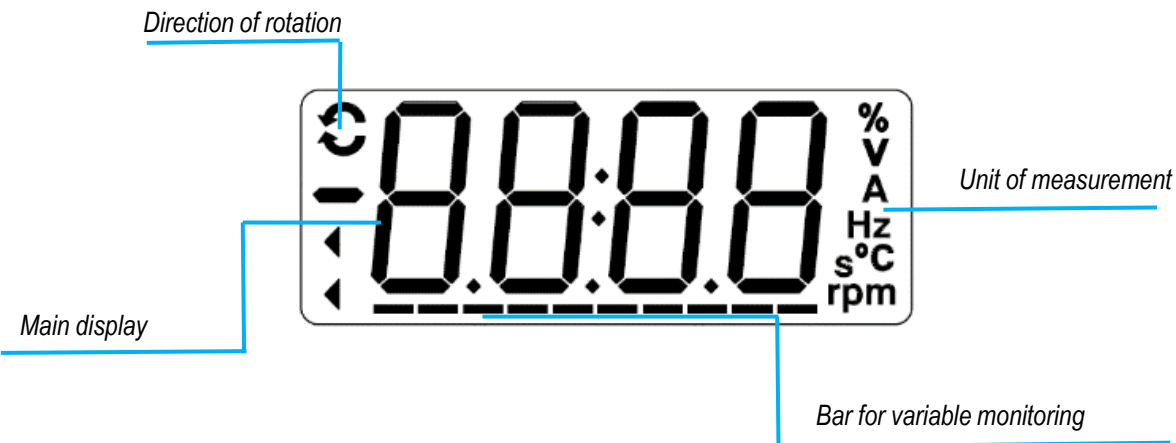
IOP

BUILT-IN HMI

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Friendly programming

- Oriented start-up: step-by-step programming
- Soft keys: easy access to parameters
- LCD operating interface with 4 digits

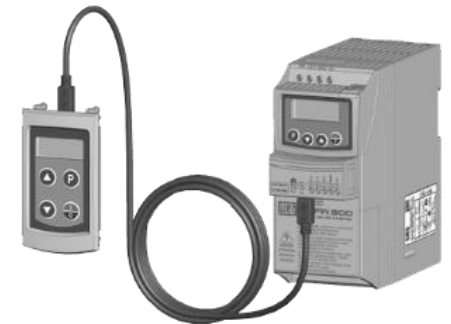
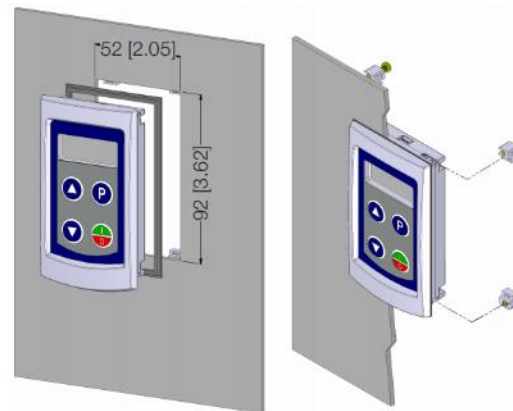


REMOTE HMI

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- Intuitive and easy-to-use HMI with the same functions as the CFW300 built-in HMI
- Remote installation on panel or close to the operator
- IP54 protection rating
- Installation up to 3 meters away from the inverter without external power supply
- Kit: remote interface + CRS485 + 3 m cable



FLASH MEMORY MODULE - MMF

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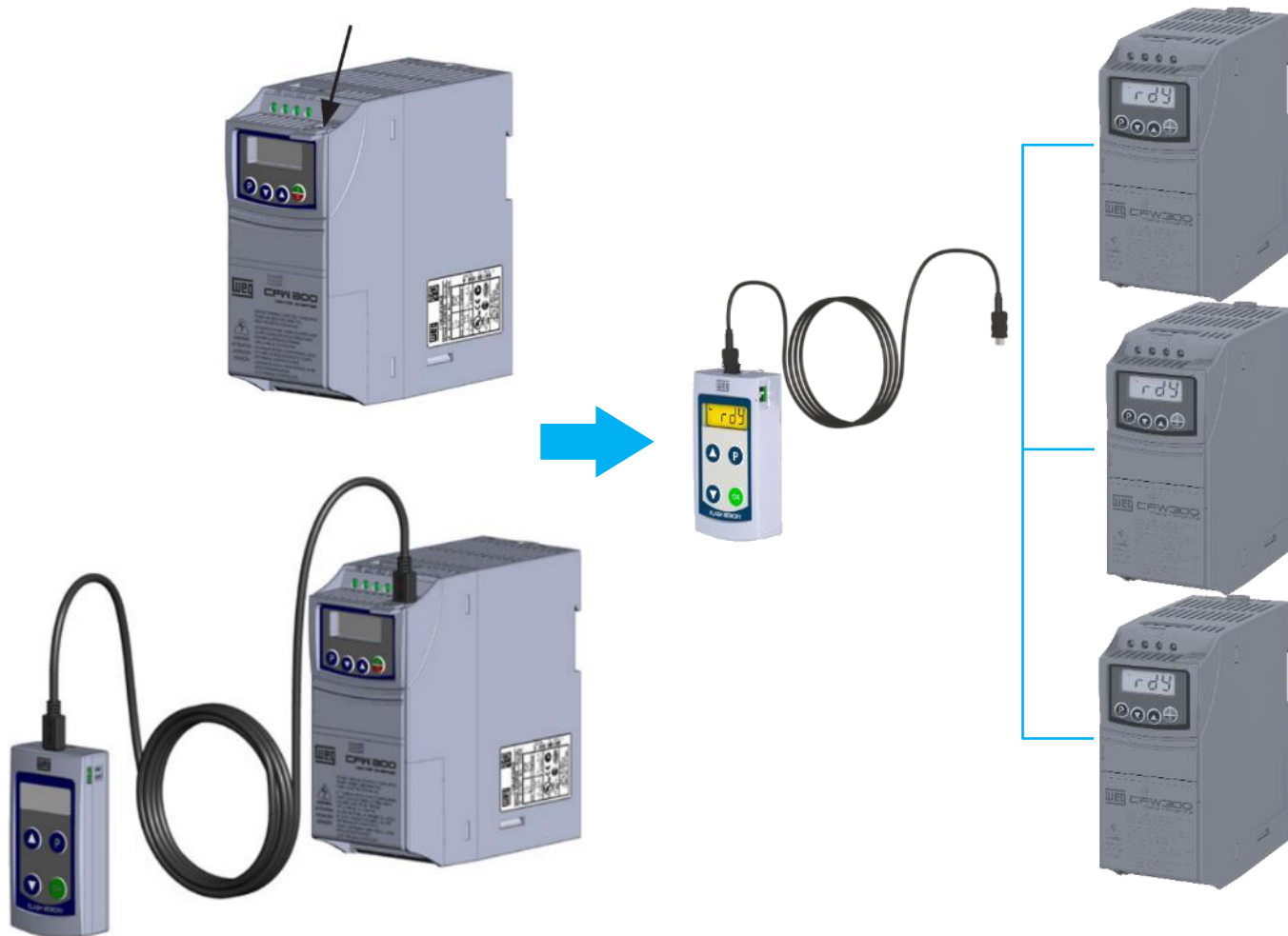


- It allows copying parameters and programming in ladder using the SoftPLC
- Internal battery with back up time for at least 5,000 procedures
- No need to power up the VSD to copy parameters
- Buttons to copy/download parameters between the MMF module and the inverter
- Password to access the user program written on the SoftPLC



FLASH MEMORY MODULE - MMF

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- The CFW300-MMF can be used to upload the original parameter settings of the CFW300, including via WPS Software
- It can be used to download the parameter settings of several CFW300
- It downloads the original parameter setting to several CFW300 VSDs turned off

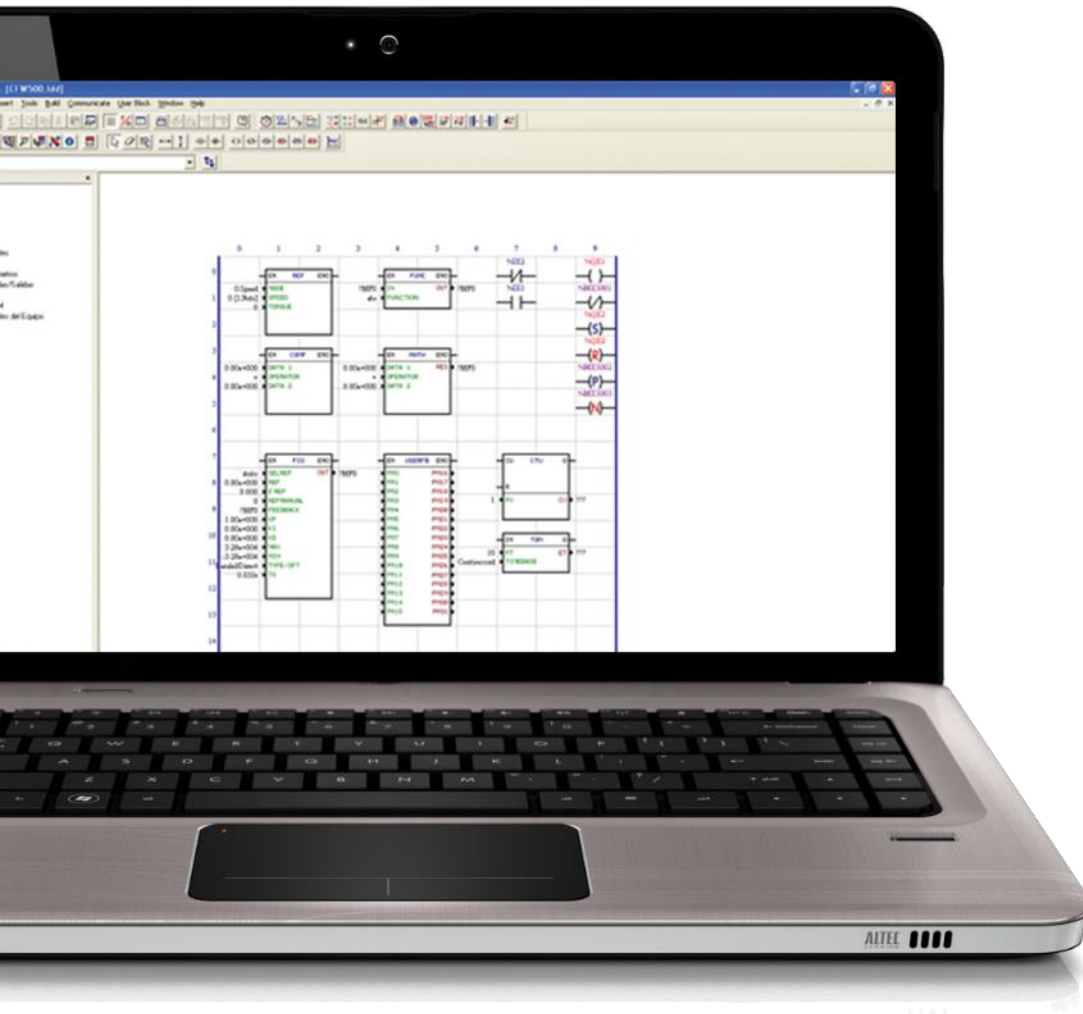
INFRARED REMOTE CONTROL

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SOFTPLC FUNCTION

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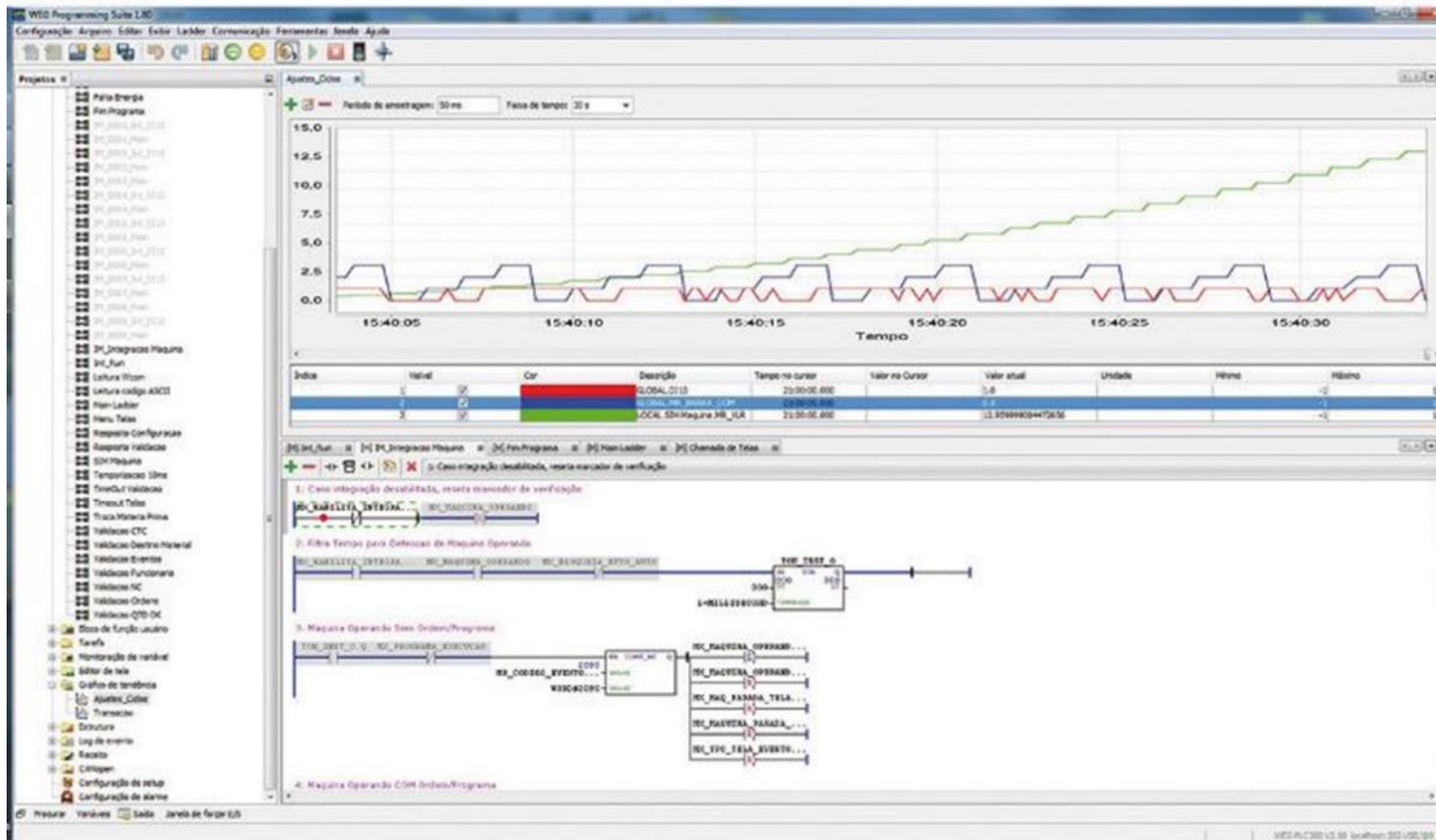
- PLC function in the VSD itself
- Programmable through WEG WPS software
- A single software application to set the CFW300 parameters and program the SoftPLC
- Quick diagnostics and copy of parameter settings on PC
- Online programming transfer and monitoring via RS232 or RS485 plug-in module
- Ladder programming language
- Copy of parameter settings on PC

Free software! Access: www.weg.net



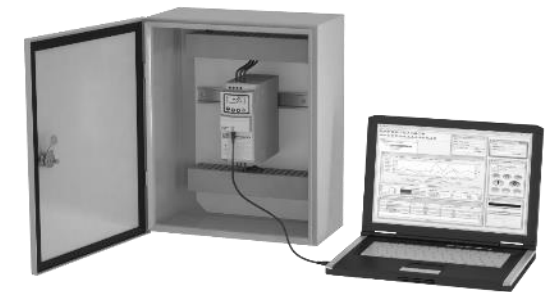
WEG Programming Software

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Connect, Configure, Program,
and Monitor using WEG WPS
Software

Free software! Access:
www.weg.net



Thank you for your
time and attention.



Transforming energy in solutions. www.weg.net

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