

WEG DRIVE SCAN

Excellence in connectivity.
Efficiency in monitoring.



Motors | Automation | Energy | Transmission & Distribution | Coatings



EXCELLENCE IN CONNECTIVITY. EFFICIENCY IN MONITORING.

The WEG Drive Scan line is another high-reliability, maximum-connectivity solution fully prepared for the arrival of Industry 4.0 that will transform production and management concepts.

Developed to connect low and medium voltage drives¹⁾ to the WEG Motion Fleet Management platform, the WEG Drive Scan periodically collects and transmits important data from WEG drives, enabling the monitoring at any time and from anywhere in the world with an internet connection.

Using the WEG Drive Scan line and WEG Motion Fleet Management, it is possible to access and monitor drives used in any type of industry or installation, increasing the performance and availability of the machines on the factory floor.

Connectivity that Generates Different Possibilities

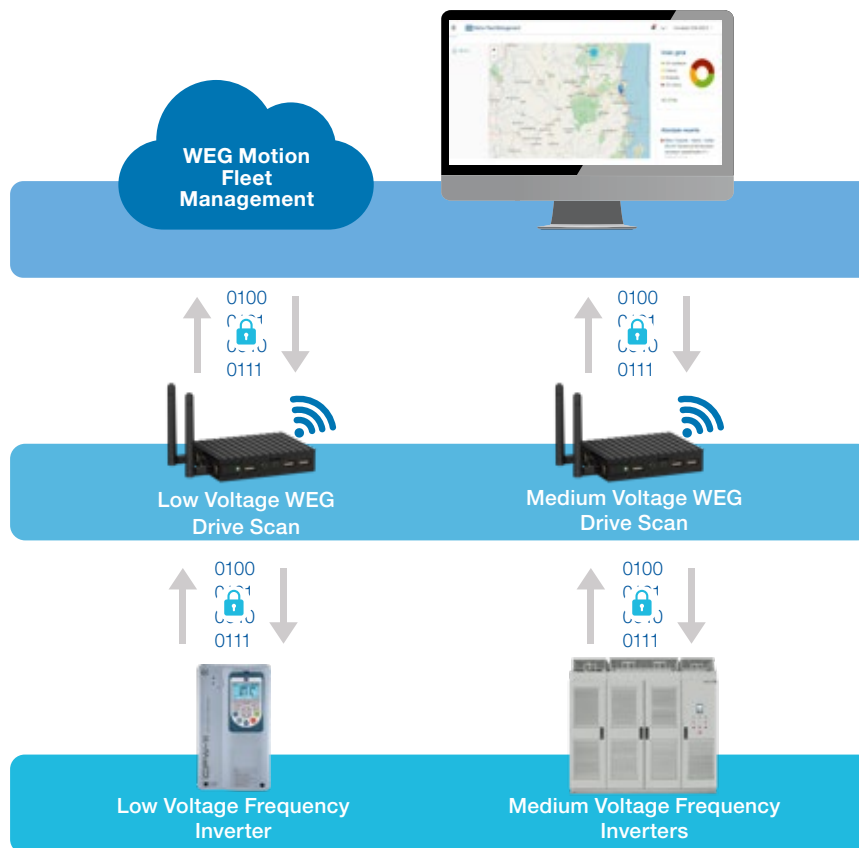
The WEG Drive Scan connectivity to the WEG Motion Fleet Management asset monitoring platform enables:

- Monitoring and sending of data from medium and low voltage drives to the asset management software
- Predefined layouts for simplified navigation at different levels (geolocation, website, plant, inverter etc.)
- Dashboards with indicators, graphics and history of measured data
- Access to drives information in real time or history data on current, torque, internal temperature, running hours, power in kWh, among others
- Diagnosis and prevention of possible failures by sending alerts to the user
- Predictive maintenance of the machines
- Optimization in the use of resources
- Maximization in the use of assets
- Increase in equipment availability

Note: drives: VSDs, soft-starters and smart relays.



Structure



For low and medium voltage drives, the WEG Drive Scan directly collects and transmits the data to the WEG Motion Fleet Management.

Note: application example.

Benefits for Better Results



Fewer unplanned stops



Optimization of the maintenance routine



Saving on spare part replacement



Ready for Industry 4.0



Adds value to the product (OEMs and panel builders)



Adds value to the service (maintenance companies)



Increased equipment service life

Complete Monitoring



View of assets

Running time

Energy consumption

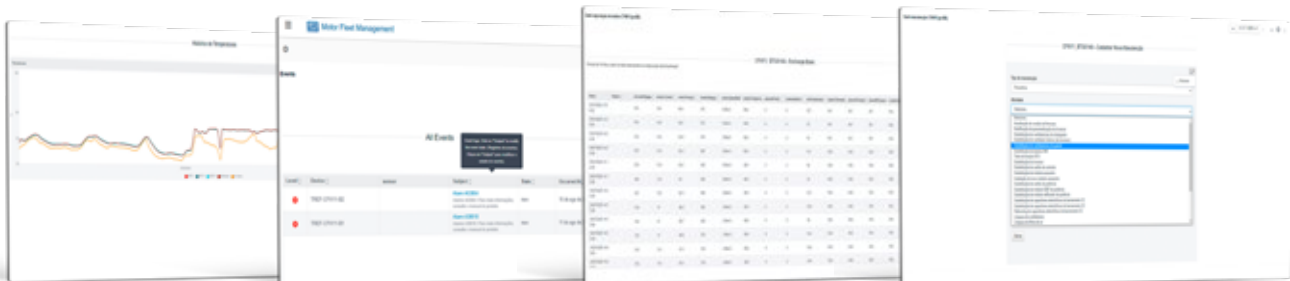
Reading



Operation

Performance

Temperatures



Temperature history

Events (alarms/faults)

Data export

Maintenance planning

How It Works

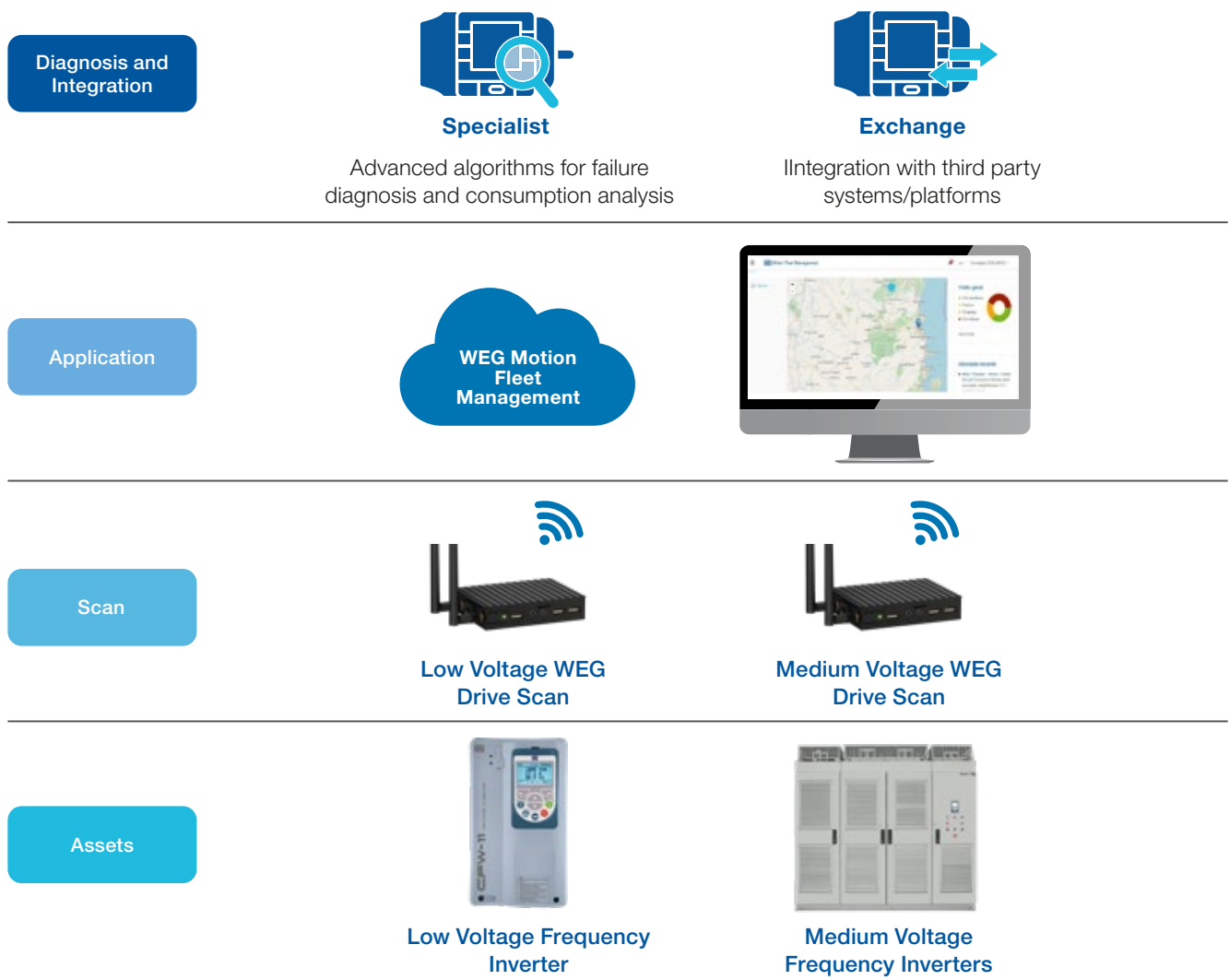
The WEG Drive Scan obtains the operating data from the drives via Ethernet or serial (RS485) communication. The information is sent to the WEG Motion Fleet Management in the cloud. Sending the data requires an internet connection, which can be accomplished via Wi-Fi network, mobile data network¹⁾ or Ethernet cable.

The WEG Motion Fleet Management application layer stores data, displays the operation and records of the drives on intuitive dashboards and allows access from any location. To access the application, the user must have a valid subscription plan.

The Diagnostic (Specialist) and Integration (Exchange) layers of the WEG Motion Fleet Management²⁾ enable advanced data analysis and integration with third party's systems or platforms, respectively.

Notes: 1) Check if the dongle used establishes an access point.

2) For further information on WEG Motion Fleet Management, see the catalog.

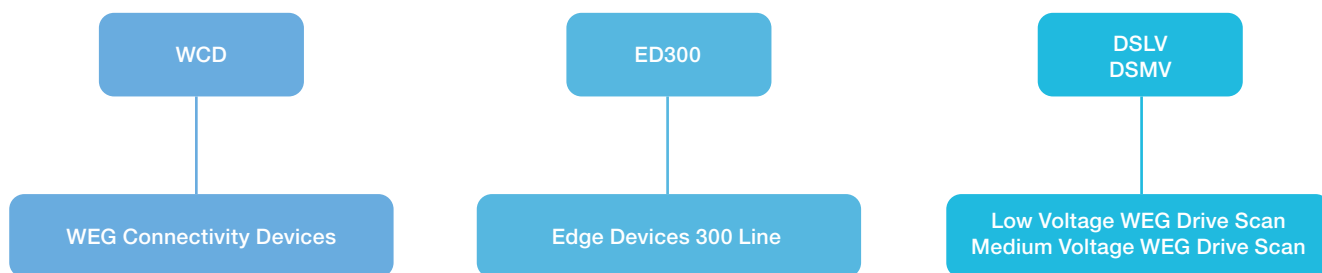


The WEG Drive Scan, together with the WEG Motion Fleet Management, allows accessing information on the monitored assets, such as:

- Operating status
- Performance indicators: speed (rpm), frequency (Hz), current (A), voltage (V), torque (kgfm)
- Speed x torque, speed x power, power x temperature curves
- Inverter internal temperature analyses
- Fault and alarm diagnosis
- Data export by selected period
- Maintenance planning
- Asset health

Note: application example.

Selection Guide



Technical Data

Scan model	Low Voltage WEG Drive Scan	Medium Voltage WEG Drive Scan
Reference	WCD-ED300-DSLV	WCD-ED300-DSMV
Connectable products	VSDs: CFW11, CFW100, CFW300, CFW500 and CFW700 Soft-stater: SSW900 Smart relay: SRW01-ETH	VSDs: MVW01 – MVW3000 Soft-starter: SSW7000
Maximum number of devices	10 via RS485 and 10 via Ethernet 20 drives in total ²⁾	5 via RS485 and 5 via Ethernet 10 drives in total ²⁾
Future versions	Servo drive: SCA06	-
Communication networks	2 Gigabit Ethernet ports with RJ45 connector and dual band 802.11a/b/g/n Wi-Fi interface	
Interfaces	4 2.0 host USB ports with type-A connector	
	1 RS485 serial port with RJ11 connector	
Protocols for communication with inverters	Modbus-RTU, Modbus-TCP	
Supply voltage	1.0 A, 100 to 240 V power supply and 12 Vdc output (included in the product)	
Operating temperature	0 °C to 70 °C	
Relative humidity	10% to 90% (operation) 5% to 95% (storage)	
Protection rating	IP20 and IP42 ¹⁾	
Weight	450 g	
Material	Aluminum	

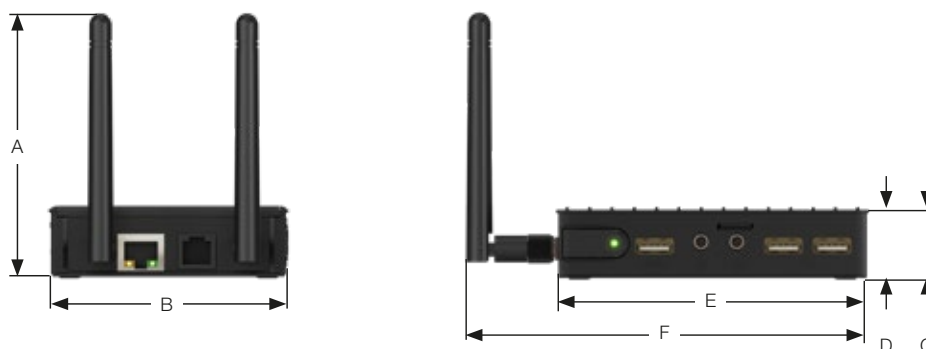
Notes: 1) On request.

2) Check if the drive in question has the accessory described in the manual to perform the desired integration.

Certifications



Dimensions



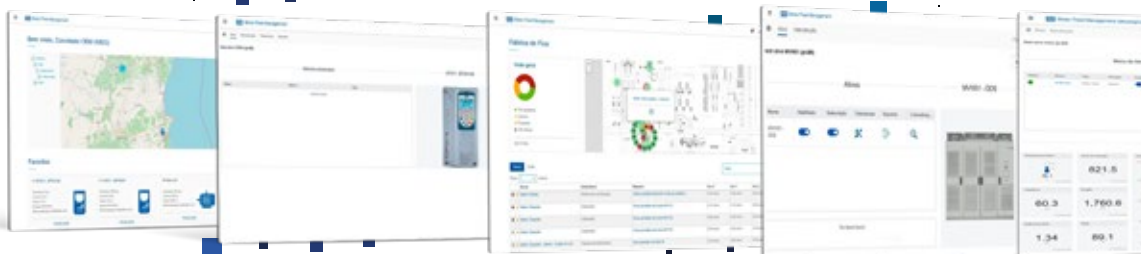
Dimension reference	A	B	C	D	E	F
Measurements in mm [in]	93.1 [3.66]	83.9 [3.30]	25.2 [0.99]	23.7 [0.93]	107.4 [4.23]	139.8 [5.51]



WEG MOTION FLEET MANAGEMENT

Developed to simplify and streamline the operation, maintenance and management of industrial plants, **WEG Motion Fleet Management** is the ideal solution for monitoring your drive fleet. Based on cloud computing, the monitoring of assets can be checked at any time and from any part of the world.

WEG Motion Fleet Management allows monitoring motors, inverters, gearboxes and gearmotors used in any type of industry or installation. By means of periodic data collection, valuable insights are produced to increase the performance and availability of the device fleet on the "shop floor". Thus, it is possible to establish and schedule predictive maintenance plans, significantly reducing the number of unplanned production stops.



[Learn more](#)





WEGnology



IA



IoT



MES

WEGdigital SOLUTIONS

A new way to combine people,
companies and smart products.

We format all of our expertise and offer the market a new way to combine people, companies, smart software applications and smart products, resulting in a global solution that transforms energy into more reliable, efficient and smart solutions.

Regardless of the size of your industry,
we can help you:

Scalable and Flexible Solutions

- Easy implementation regardless of the industry characteristics;
- Flexible, customized solution.

WEG Expertise

- We can contribute to increasing the operating efficiency of our partners and reducing waste from the various industrial processes.

Co-working

- We help in the transition from traditional industry to industry 4.0;
- We share technologies and experiences for your business.






Global presence is essential, as much as understanding your needs.


Global Presence

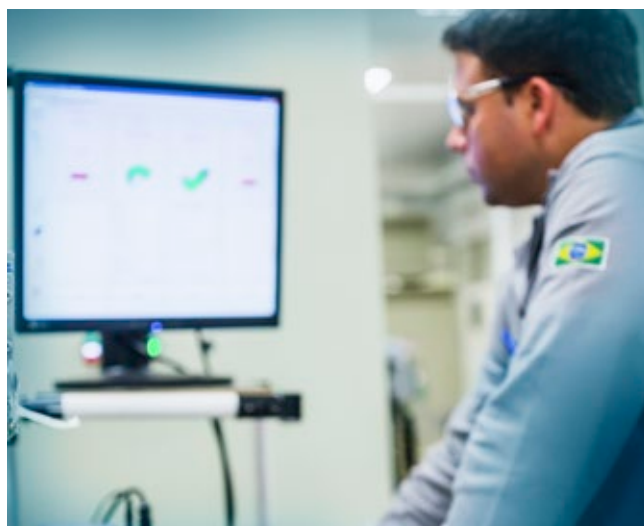
With more than 30,000 employees worldwide, WEG is one of the largest electric motors, electronic equipments and systems manufacturers. We are constantly expanding our portfolio of products and services with expertise and market knowledge. We create integrated and customized solutions ranging from innovative products to complete after-sales service.

WEG's know-how guarantees our **WEG Drive Scan** is the right choice for your application and business, assuring safety, efficiency and reliability.

 **Availability** is to have a global support network

 **Partnership** is to create solutions that suit your needs

 **Competitive edge** is to unite technology and innovation



Know More



High performance and reliable products to improve your production process.



Excellence is to provide a whole solution in industrial automation that improves our customers productivity.

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The values shown are subject to change without prior notice.
The information contained is reference values.