We take care of it.



40 Years of experience in measure and regulation technology

A. Eberle Africa (Pty) Ltd has been an approved supplier of voltage regulation - REG-D and REG-DA - for more than 25 years. The relays have been supplied directly from Germany to various systems integrators in South Africa.

A. Eberle Germany has had a distributor of the main product portfolio in Southern Africa - Magnet Electrical Supplies (Pty) Ltd - to support products not only in sales, but especially in after sales service and in marketing for new business opportunities.

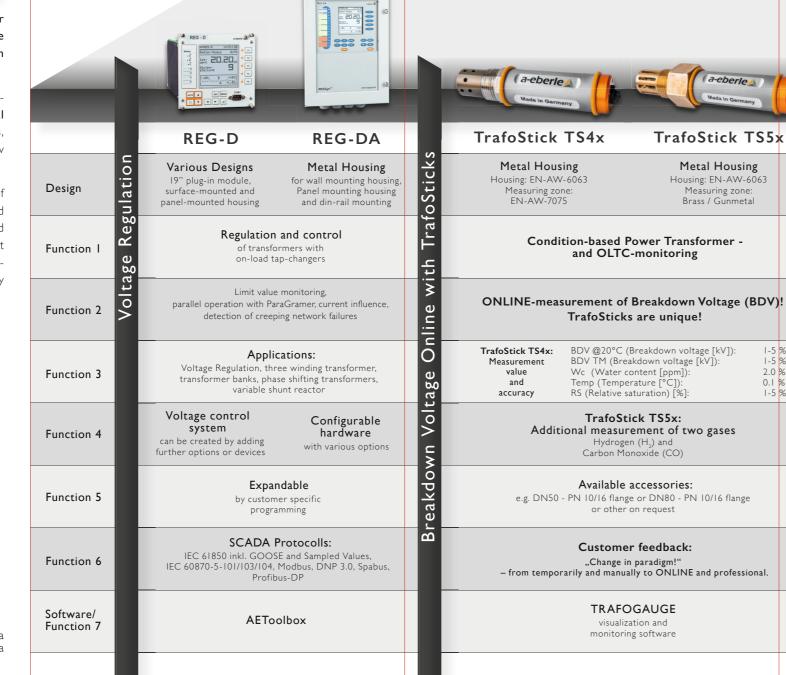
Mr. Till Sybel, CEO of A. Eberle Germany (until end of March 2023), has decided to invest in South Africa and establish, together with Magnet, a new business called A. Eberle Africa (Pty) Ltd. This investment aims to support South Africa and the rest of Africa with the A. Eberle products, to guarantee and continuously improve the security of supply and availability of energy networks.



A. Eberle Africa (Pty) Ltd

Unit 5, Edstan Business Park, 2 Ibhubesi Road. Riverhorse Valley, Durban, South Africa

+49 172 54 96 122 tills@a-eberle.co.za www.a-eberle.co.za





LVRSys Outdoor

High resistance

to over voltages, direct

and indirect lightning

No grid

interference

causes no flicker or

harmonics

Easy installation

as a cable distribution

Adjustable response

time of the

controller

< 30 ms to 100 s

Various

depending on

requirements

Overload capable like NH fuse

Highly efficient > 99.5 %

Operating Temperature

-40°C up to +50°C

ambient temperature

gulatio

No.

1-5 % 1-5 %

2.0 %

0.1 %

1-5 %



Voltage stabilization

for longer lasting & more

efficient machines

Robust

Tolerates harmonics and

Intuitive operating

concept

Simplest parameterization

Immediate

regulation

< 30 ms response time

via display





on DIN rail mounting Earth-Fault and Short-Circuit

Indicator

EOR-IDS

Various Designs

Panel mounting housing,

or alternatively mountable

(directed/undirected)

Fault Recorder and Logbook

for precise error analysis

Incl. Rogowski Coil

and low power Sensors

to many low power sensors

Additional intelligent functions through free programmability

2x Ethernet

Compatible

EOR-3DS

Various Designs

Panel mounting housing,

or alternatively mountable

on DIN rail mounting

Earth-Fault and

Short-Circuit

Indicator

for intelligent sub-stations

Long-life Capacitor

for >4h operation

Modbus RTU

100 mm mounting depth

SCADA Protocolls:

IEC 61850 GOOSE,

IEC 60870-5-101/103/104, Modbus, Modbus-Master, DNP 3.0, MQTT IoT, MQTT Management & Operations

No Software save & load parameters via SD-Card

AEToolbox (encrypted TCP/IP communication)

We take care of it.



Measure. Regulate. Across all grids.

Shaping the grid infrastructure of tomorrow this is our goal.

With our future-oriented solutions, we help our customers to face future challenges.

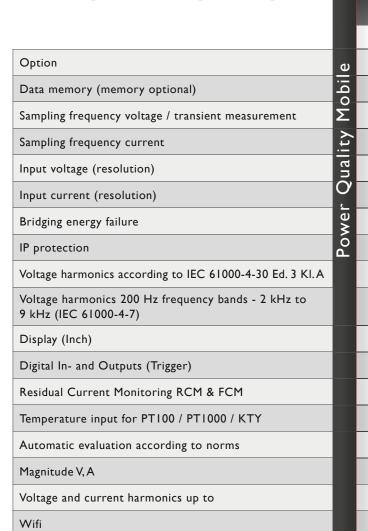
Product overview

We take care of it.



Comparison Power Quality Tools

Simply ingenious, ingeniously simple.





PQ-Box 50

Light

I GB

20,48 kHz / -

20.48 kHz

4 (16-bit)

4 (16-bit)

1,5 h

IP65

< 0.1 %

H50

Expert

Basic



PQ-Box 150

4 (32) GB

20,48 kHz / -

20.48 kHz

4 (24-bit)

4 (24-bit)

4,0 h

IP65

• (4,5)

< 0.05 %

9 kHz

SI

Basic+

Light Expert



PQ-Box 300

8 (32) GB

409,60 kHz / 409,60 kHz

40.96 kHz

4 (24-bit)

5 (24-bit)

3.5 h

IP65

• (4,5)

1/0

(accessories)

• (accessories)

< 0.05 %

170 kHz

PQ-Box 200

4 (32) GB

40,96 kHz / 4 MHz

40.96 kHz

4 (24-bit)

5 (24-bit)

IP65

• (4,5)

1/0

(accessories)

(accessories)

< 0.05 %

9 kHz

ΤI

3,5 h

T0

4,0 h





1	PQI-DA smart	PQI-DE
٤		
Power Quality System	I (32) GB	I (32) GB
Sy	40,96 kHz / 40 kHz	40,96 kHz / 40 kHz
ity	40,96 kHz optional	up to 40,96 kHz
ual	4 (16-bit)	4 (16-bit)
O	4 (16-bit)	5 (16-bit)
ver	Supercap	Supercap
Po	IP20	IP54
	•	•
	•	•
	• (1,7)	• (5,0)
	2/2	8/4
	-	•
	-	•
	•	•
	< 0,05 %	< 0,05 %
	9 kHz	9 kHz
	-	-





WinPQ Software

High-quality analysis softwarefor your Power Quality data

- Plug&Play installation thanks to guided wizard
- Security by Design according to BDEW Whitepaper
- Separate flow chart for each measuring point
- TOP / DOWN analysis
- Autoreporting per measuring point



WinPQ system solution for all fix-installed and mobile power quality analyzers from A. Eberle. Monitor power quality permanentely - from high to low voltage in one system. Intuitive operation despite large data volumes.

WinPQ mobil & PQ-Box App

Features of the WinPQ mobil

- Extensive evaluation functions such as load analysis or the ability to determine the cause of network faults
- Automatic report creation to preset or freely adjustable standard settings
- Free software and free updates of the evaluation software and device firmware

PQ-Box App for Android and iOS

A free app for Android and iOS operating systems allows all PQ Boxes with integrated WLAN/Wi-Fi interfaces to be operated wirelessly. A wide range of online screens is available. It is also very easy to set device parameters for all measuring devices using a smartphone.









WebPQTM Visualizer

The intelligent add-on to WinPQ

The fully responsive & web-based user interface as an installable app for the evaluation of your Power Quality data in your local IT environment!



State-of-the-art web technology with:

- Grid Overview Dashboard Detect grid faults at a glance!
 - Analysis section Get to the bottom of causes of grid disturbances individually
 - Configurable REST-API Open for data exchange in your company
 - 100 % Secure! IT-Security via full User Rights Management System!

