



How we get the maximum
yield from all roofs.

SIMPLE.
SMART.
OPTIMIZED.

Welcome to a german company with high quality optimizers!

At BRC Solar, we are united by one thing above all: a passion for photovoltaics and a strong focus on cost-effectiveness. Our vision is to develop innovative products that enable all roofs to be efficiently equipped with photovoltaics.



Based in Ettlingen
In the South of Germany

Technical
management



Richard Brace

Master
Electrical
Engineering

Research
Development

Commercial
Managing
Director



Pascal Ruisinger

Bachelor
Industrial Engineer

Finance
HR
Sales

Technical
Managing
Director



Timm Czarnecki

Master
Craftsman Electronics

Development
Production

Three German founders – one mission

“With our innovative and high-quality optimizers, we utilize
the unused potential of photovoltaics worldwide”

Market development of BRC Solar



**Start Up phase
2018 – February
2024**

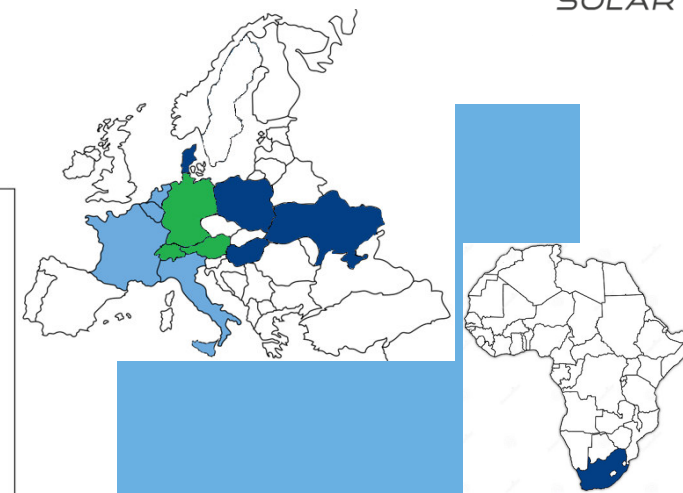
Market Entry
DACH-region
Solar and electrical
wholesaler



**Europe phase
(South-/West)
February 2024 –
February 2025**

Market Expansion
DACH-region

Market Exploration
South-/West Europe



**Europe & Afrika
phase
2025**

Market Entry
South-/West Europe

Market Exploration
Osteurope + Südafrika

**Foundation phase
2015 – 2018**

Smaller pilot
projects

Why is optimization necessary?

Electrotechnical function of the optimizer

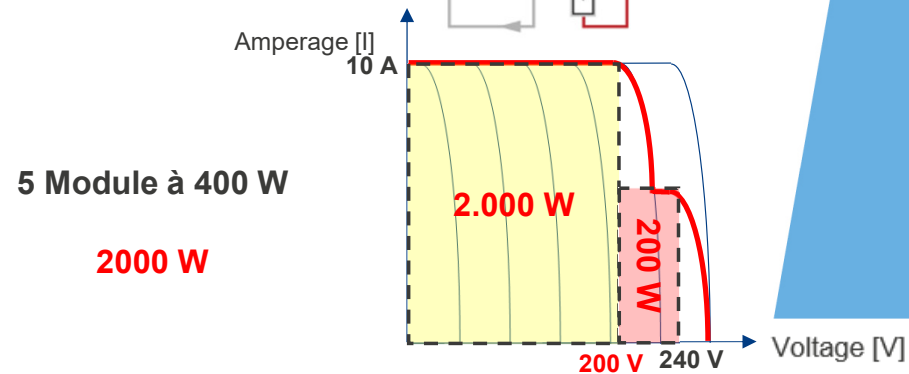
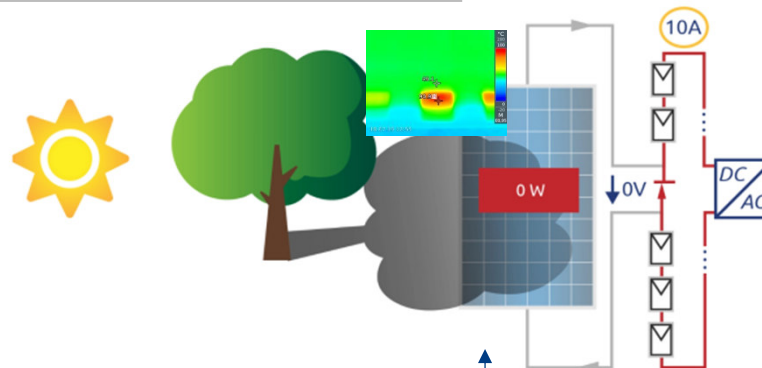
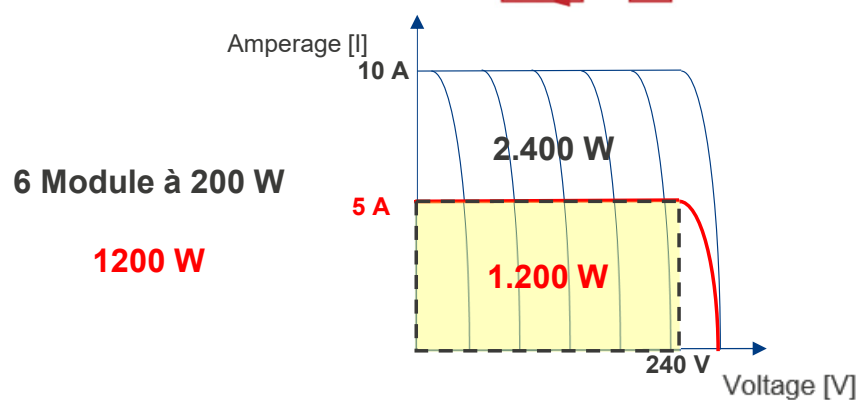
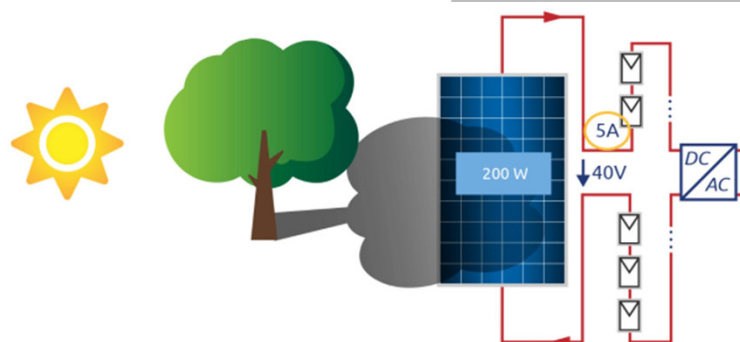
Shading: case 1

**Local
MPPT**



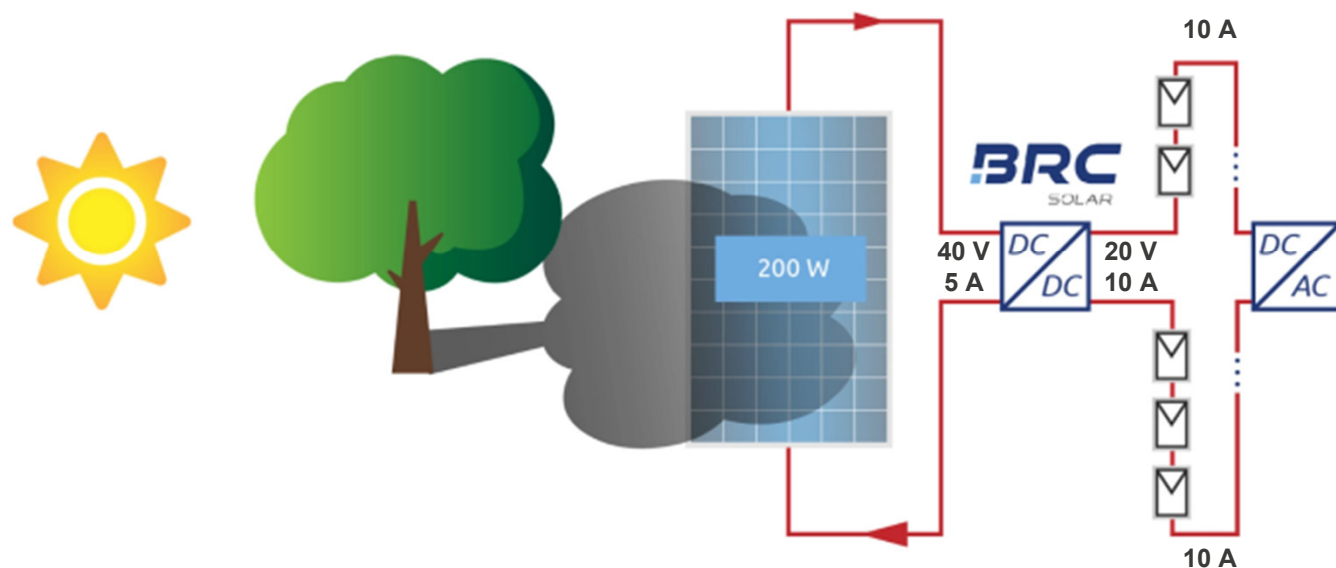
**Global
MPPT**

Shading: case 2



Electrotechnical function of the optimizer

With BRC Power Optimizer



5 Module à 400 W und 1 Modul mit 200 W

2.200 W

Product portfolio & advantages

BRC Productportfolio

Power Optimizer M500

The most efficient and easiest optimizer
(no monitoring)



M600-M System

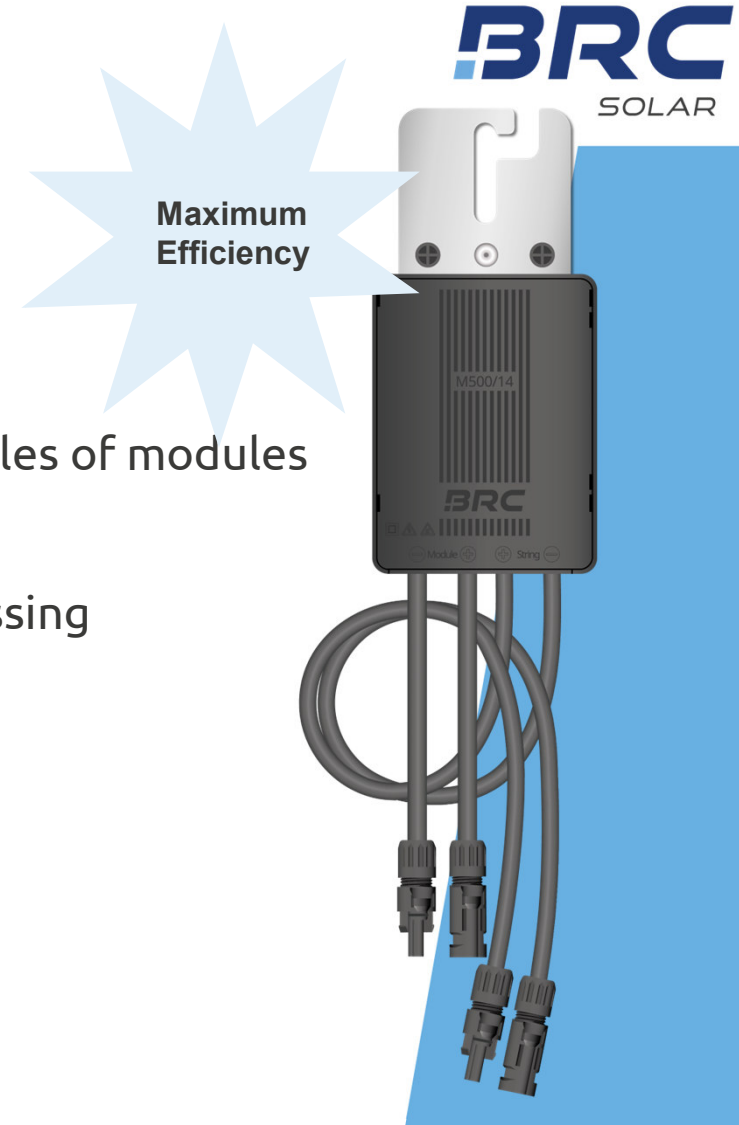
The optimizer with maximum overview
due to monitoring at module level



Power Optimierer M500

- Maximum yield of the PV system
- Solves problems with shading, alignment and different angles of modules
- Easy Plug & Play
- Best quality, thanks to high quality components and processing

Maximum incoming Power: 570 W
Rated current: 15 A d.c.
Short-circuit current: 17 A d.c.





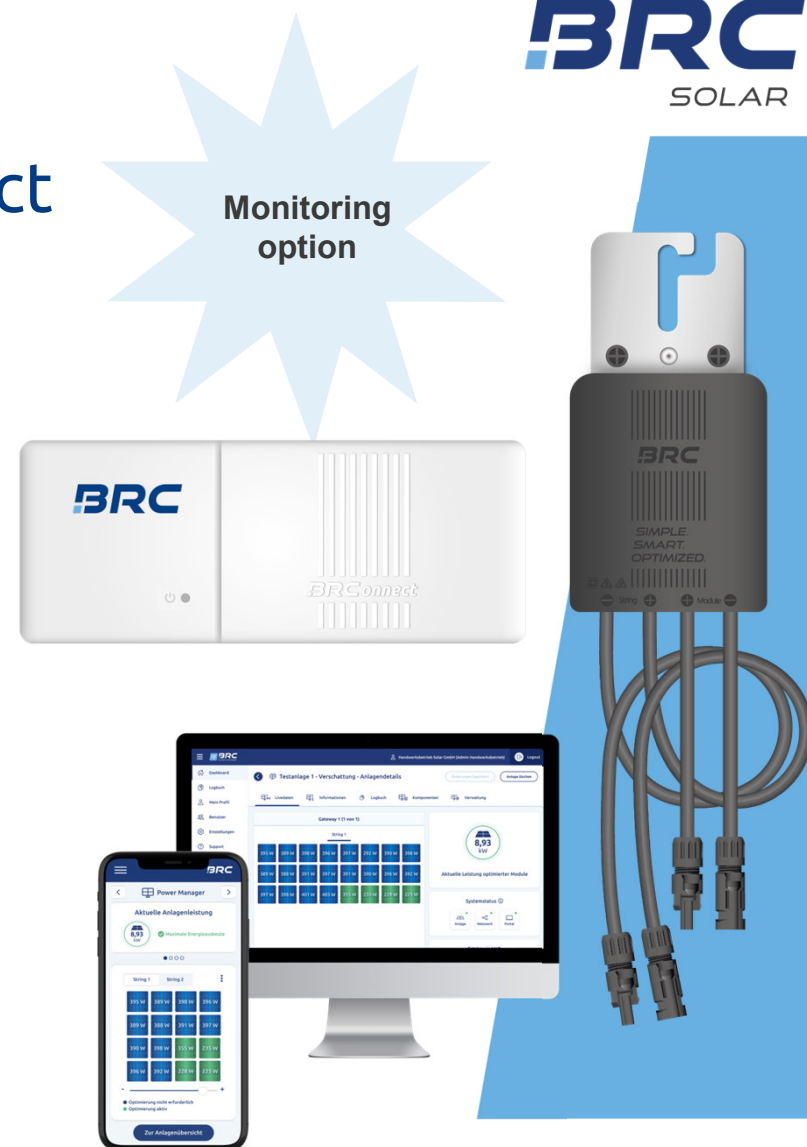
Advantages of all BRC Power Optimizer:

- Only needed where required
- Stand alone device (no wireless communication)
- Simple plug & play system and no programming required
- Highquality components
Original MC4, 6mm² cable, ultra water repellent potting material
→ Full potting etc.)
25 year guarantee
- Suitable for 85° ambient temperature
- Ultra Fast MPPT
- Automatic switch-off of the optimizer (maximum efficiency)
→ Functionality - detects a delta between the current at the rod and the current at the module

Power Optimierer M600 and BRConnect

- More power and additional features
- Monitoring on a module level via BRConnect
- Communication via Powerline
- Power-data via mobile App

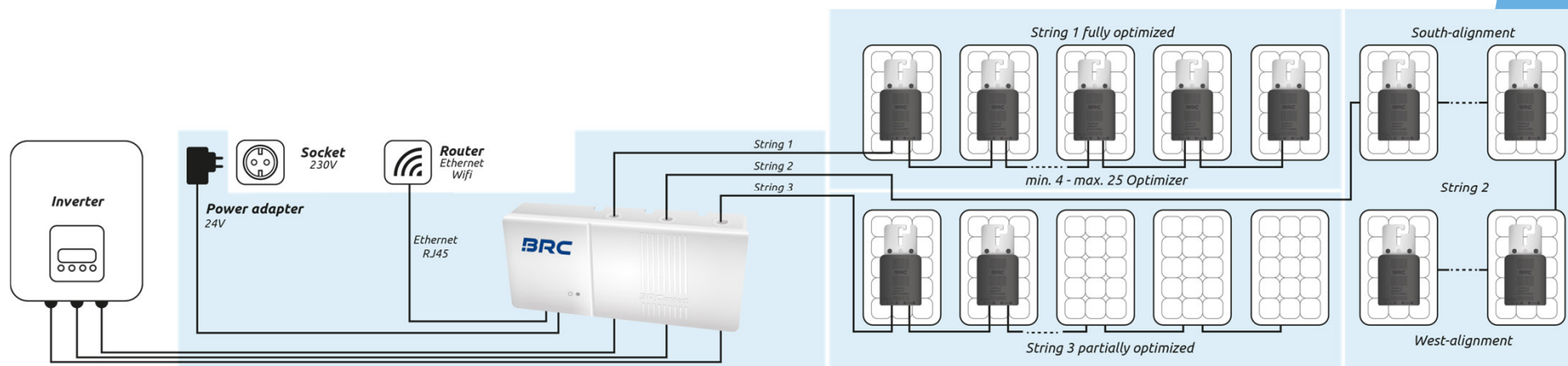
Maximum incoming Power: 600 W
Rated current: 16 A d.c.
Short-circuit current: 20 A d.c.



System structure M600 optimizer

Full and partial optimization still possible

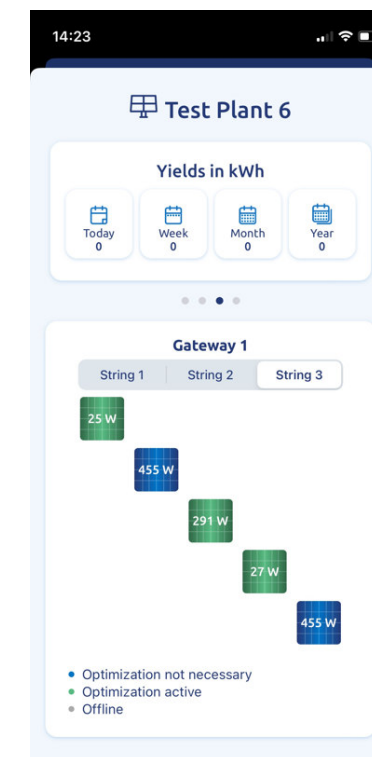
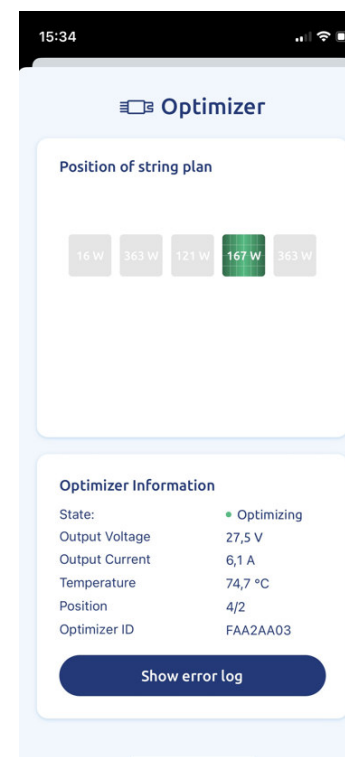
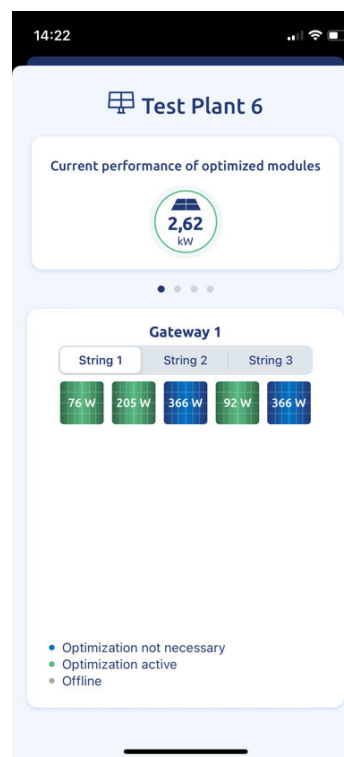
- Min. 4 – max. 25 optimizers per string



BRC Power Manager

The new App on App Store and on Google Play

For Monitoring at
module level



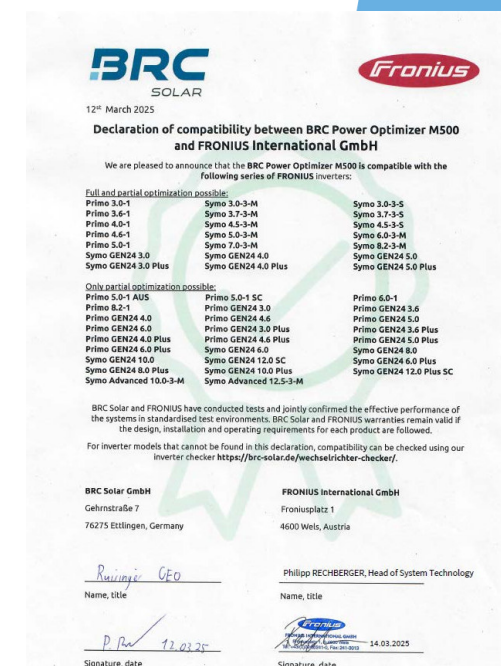


Advantages of the BRC M600-M & BRConnect power optimizers:

- Communication via Power-Line
- Simple installation (Plug & Play) and simple configuration via the BRC Power Manager app
- BRConnect data transmission over galvanic insulated connection (provided by toroidal cores)
- Monitoring of the complete system at module level
- Partial equipment of optimizers
- Patented inactivity also possible with monitoring
- Plug & play, simple connection Ultra Fast MPPT

Compatibilities

Compatible inverters



Non-compatible inverters



Our Support

Sales Support for our distributors

Free webinars for the
installers of our
distributors

Webinar English:
Simplest installation,
maximum efficiency,
now with monitoring //
BRC Optimizer / Martin
Blank

02. June, 15:00 – 16:00 CEST

[REGISTER NOW](#)

Sales Support on fairs



Sales Support (for our distributors)

- Advantage papers for the sales team
- Sales brochure for customers
- Explanation videos

Advantages of the BRC M500 Optimizer compared to other **system-independent** optimizers

Requirement: Optimization
→ **Solution:** BRC M500 Optimizer

Similar product features:

- Can be used independently of inverters
- Partial equipment possible

Product advantages:



Cost saving and increased profitability

- Most efficient technology (Patented switch-off mechanism - inactivity of the optimizer when no optimization is necessary)
- 20x faster switching (due to higher quality transistor → GaN-FETs)



Time savings and simplicity

- Simple connection via plug & play
- No app setup or initialization required
- No additional components needed



Highest quality

- German Quality for a fair price
- Longlife Elektronik (German engineering excellence)
- Full encapsulation in the optimizer



Additional compensation in case of a warranty claim possible
(for installers who are members of the BRCademy)



Advantages of the BRC M600-M System compared to other **system-independent** optimizers

Requirement: Monitoring at module level
→ **Solution:** BRC M600-M System

Similar product features:

- Can be used inverter independent
- Use of M600-M optimizers is possible even without monitoring (partial installation starting from 1 unit is then possible)

→ Retrofitting of monitoring is possible afterwards with a BRConnect

Product advantages:

Maximum flexibility

- Partial installation with monitoring is possible, also with full warranty coverage (Monitoring requires a minimum of 4 and a maximum of 25 optimizers per string)



Cost saving and increased profitability

- Cost savings through approximately 2 hours of time savings during the installation of a 20KW system
- Only one additional component needed for monitoring (BRConnect)
- BRConnect will be installed at the inverter
- Most efficient technology (patented automatic switch-off mechanism – optimizer inactivity when no optimization is needed)
- 20 times faster switching (due to higher quality transistors → GaN-FETs)



Maximum Simplicity and Security

- Simple commissioning without interruptions (setup and data transmission via powerline/DC line, not via wireless)
- Establishing communication between BRConnect and M600-M optimizer plug connections (contactless data acquisition within the BRConnect via toroidal coils)



Highest Quality

- German Quality for a fair price
- Long-life electronics (German engineering excellence)
- Full encapsulation in the optimizer



Maximum Data Security

- Data storage only on European servers



Pre-Sales Support (for installers)

Support with video material
on planning / installation
and use of BRC optimisers
for installers



BRC Solar



@brcsolar · 215 Abonnenten · 25 Videos

Mehr über diesen Kanal ...mehr

brc-solar.de/power-optimizer und 6 weitere Links

Abonnieren

Übersicht Videos Shorts Playlists 🔍

Für dich



WEBINAR Deutsch
Einfachste Installation, Maximale Effizienz, jetzt auch mit Monitoring
BRC Power Optimizer



54:09



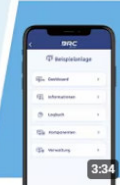
WEBINAR English
Simplest installation, maximum efficiency, now also with monitoring
BRC Power Optimizer



23:55



POWER MANAGER APP
Teil 03: Funktionen



23:55



3:34



3:34

WEBINAR Deutsch / Einfachste Installation, Maximale Effizienz, jetzt auch mit Monitoring - BRC...

833 Aufrufe · vor 2 Monaten

WEBINAR English / Simple installation, maximum efficiency, now with monitoring - BRC Solar

125 Aufrufe · vor 3 Wochen

Teil 03: Funktionen - Power Manager App BRC Solar

103 Aufrufe · vor 2 Wochen

Optimierer vs. Mikrowechselrichter

409 Aufrufe · vor 1 Monat

Pre-Sales Support (for the installer)

To make efficient **optimizer design** as easy as possible for you,
you will find all **BRC tools** here

Module-Checker

Check whether your modules
can be equipped with the BRC
optimizer

[CLICK HERE](#)

Planning tool

We support you in planning your
optimizer equipment

[CLICK HERE](#)

Compatible inverters

Here you can find a list of our
compatible inverter brands

[CLICK HERE](#)

Inverter checker M500

Check whether your inverter is
compatible with BRC

[CLICK HERE](#)

Warranty and benefits with BRC

Product Warranty

Full product guarantee **without conditions**

- **25 years** product warranty
(for all our optimizers)
- **10 years** product warranty
(for the BRConnect gateway)
- Full refund of the purchase price
- Additional exchange lump sum possible when participating in the BRCademy (coaching programm)

We care for our distributors

- **Stock protection**
 - Stock value compensation in case of price reduction
 - Buy-back guarantee possible in case of unsale
- **Flexible purchasing conditions**
- **Direct lead generation by BRC**
 - We forward requests that we receive directly from installers to our partner distributors

Why BRC?



German Engineering / German Quality Standards



Professional Immediate Assistance by BRC Support Staff



Supportive checker tools



Always full product warranty (25 years for optimizers) without
limitations or conditions



Additional compensation in case of a warranty claim possible
(for installers who are members of the BRCademy)



Simple installation videos for support available anytime



Questions?
Feel free to contact us!

Instagram



Newsletter



Webseite



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Teamleader Sales

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