

Power Optimizer M500

Module Optimizer for Photovoltaic Systems



Shading Optimization

Solves the problem of shading in photovoltaic systems



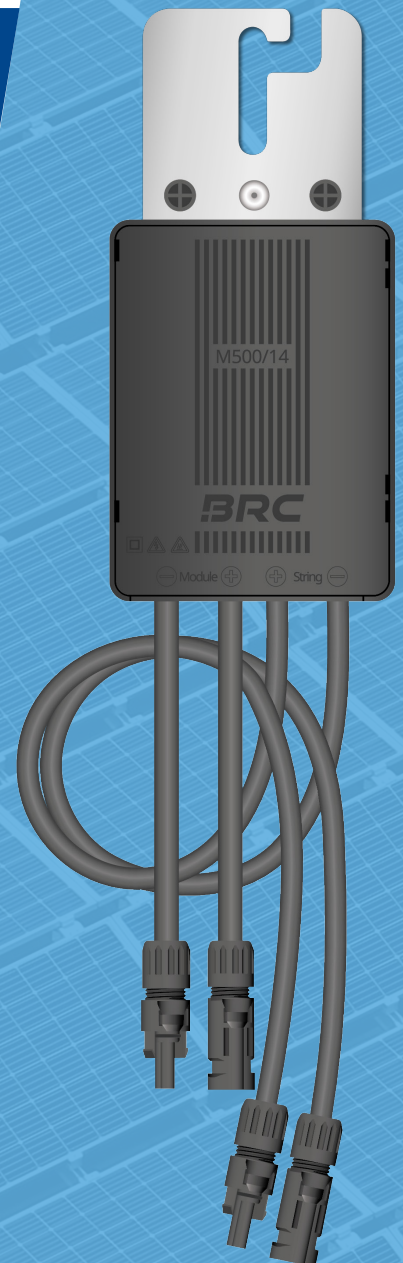
Maximum quality & efficiency

Standby function, Ultra Fast MPP tracking with 20x faster shifting, production in Europe



Simplest Installation

Simple Plug & Play system, no additional software, no app, no special tools required



**SIMPLE.
SMART.
OPTIMIZED.**

TECHNICAL DATA

ELECTRICAL DATA

Total Max. Input Voltage at - 40°C (-40°F): 65 V d.c

Input voltage range 16 - 65 V d.c.

Rated current 15 A d.c.

Short circuit current 17 A d.c.

Maximum Input Power 570 W

Overvoltage Category II

Maximum Efficiency 99,5%

Output Voltage Range 0 bis Voc

Output Power Range 0 W bis 570 W

Maximum System Voltage 1000 V

Safety Protection Class II

MECHANICAL DATA

Dimensions (W x L x H) 78 mm x 161,5 mm x 30 mm

Weight 500 g

Installation with M8 Screw

PORTS

Output Cable Length 1,20 m

Connectors Stäubli MC4 (for 1000V)

Conductor Cross-Section 6,0 mm²

AMBIENT CONDITIONS

IP-Protection-Class IP68

Enviromental Operating Temperature Range - 40°C bis + 85°C (-40°F to +85°F)

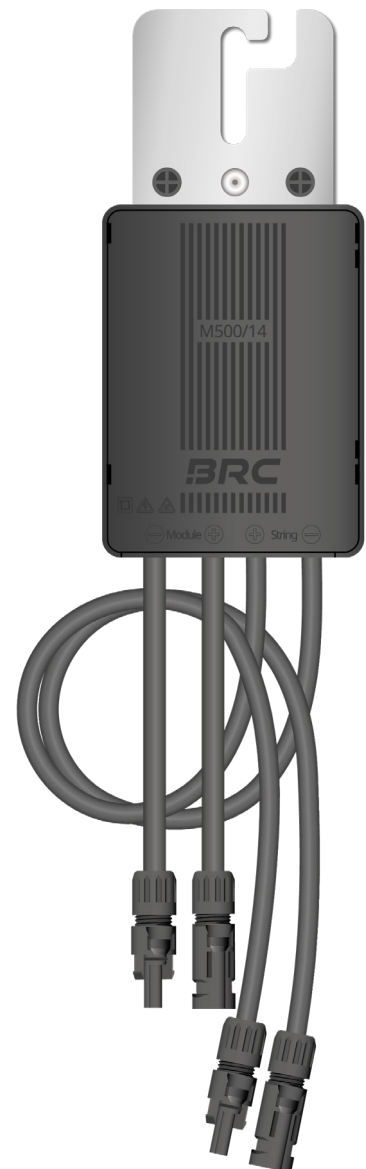
Relative Humidity 0% bis 100 %

STANDARDS

EMC IEC61000-6-2, IEC61000-6-3

Safety IEC62109-1, IEC62109-2

RoHS RoHS compliant



BRC
SOLAR

Power Optimizer for photovoltaic systems



WARRANTY

Because of our Long-Life-Electronics we grant warranty for 25 years



LONG-LIFE-ELECTRONICS

The Power Optimizer possesses a long-life circuit using the newest GaN technology



MAXIMUM YIELD

More PV-modules can be installed by using BRC Power Optimizers



RELIABLE SUPPORT

You can reach us for any concerns by e-mail and phone

