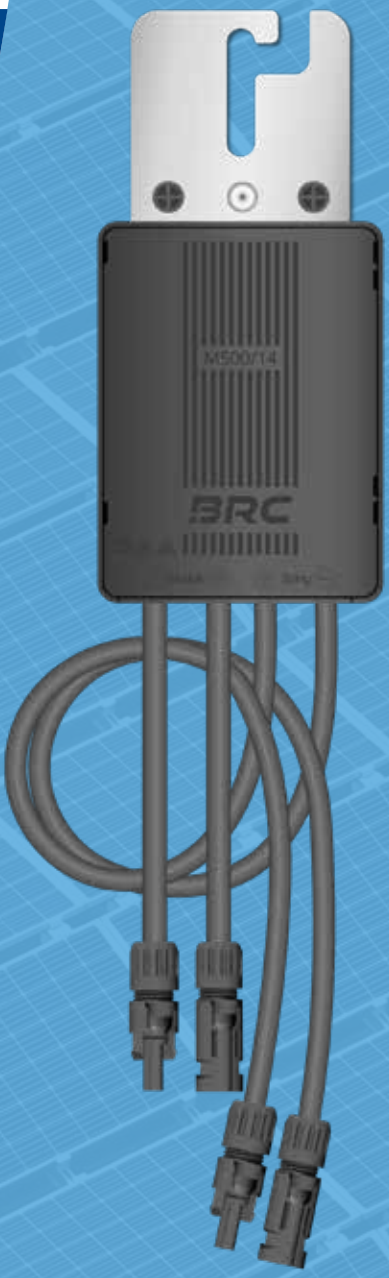
BRC SOLAR

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.

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TECHNICAL DATA

	ELECTRICAL DATA	
INPUT	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	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 +185°F)
Relative Humidity	0% bis 100 %

STANDARDS	
EMC	IEC61000-6-2, IEC61000-6-3
Safety	IEC62109-1, IEC62109-2
RoHS	RoHS compliant

Power Optimizer for photovoltaic systems

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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

Gehrnstraße 7, 76275 Ettlingen, DE / Tel.: +49 7243 924 1486 / sales@brc-solar.de / www.brc-solar.de