BRC SOLAR

Pre-order now
Available from Q1 2026

Power Optimizer M700-E

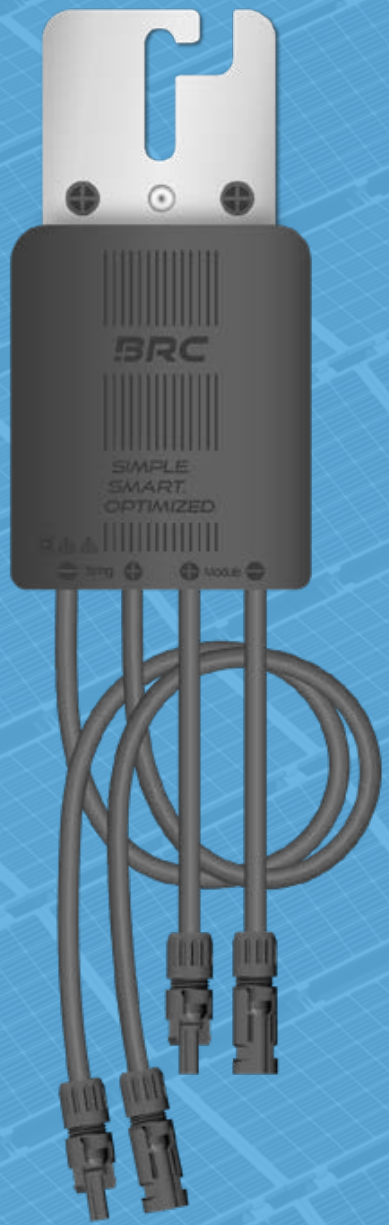
Module Optimizer for Photovoltaic Systems

Maximum yield
Solves the problem of shading, different alignment and different module inclinations

Maximum quality & efficiency
Standby function, Ultra Fast MPP tracking with 20x faster switching

Simple installation
Simple plug & play system, no additional software or app required

Inverter independence
Maximum flexibility in use, can be combined with most common inverters



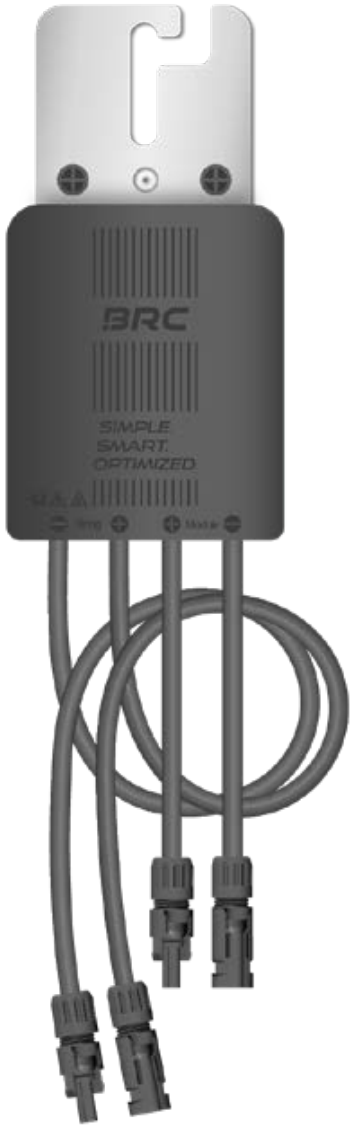
SIMPLE.
SMART.
OPTIMIZED.

EUPD RESEARCH
TOP INNOVATION
OPTIMIZERS
GERMANY
2026

www.brc-solar.de

TECHNICAL DATA

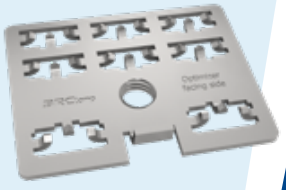
	ELECTRICAL DATA	
INPUT	Total Max. Input Voltage	at - 40°C (-40°F): 70 V DC
INPUT	Input voltage range	16 - 70 V DC
INPUT	Rated current	18,5 A DC
INPUT	Short circuit current	23,2 A DC
INPUT	Maximum Input Power	700 W
INPUT	Overvoltage Category	II
INPUT	Maximum Efficiency	99,5%
OUTPUT	Output Voltage Range	0 to 70 Voc
OUTPUT	Output Power Range	0 W to 700 W
OUTPUT	Maximum System Voltage	1000 V
OUTPUT	Safety Protection Class	II
	MECHANICAL DATA	
	Dimensions (W x L x H)	78 mm x 145 mm x 22 mm
	Weight	507,5 g
	Installation	with M8 Screw
	PORTS	
	Connections (Input/Output)	0,16m / 1,20 m
	Connectors	Stäubli MC4
	Conductor Cross-Section	4,0 mm²
	AMBIENT CONDITIONS	
	IP-Protection-Class	IP68
	Enviromental Operating Temperature Range	- 40°C to + 85°C (-40°F to +185°F)
	Relative Humidity	0% to 100 %
	APPLIED STANDARDS	
	EMC	EN 62920:2024
	Safety	IEC 62790 / IEC 62109-1/-3
	RoHS	RoHS compliant



* Temperature-related derating is possible at rated power and at ambient temperatures above 75°C.
** The CE Declaration of Conformity is available on our website.
*** Check the compatibility of your inverter at the following link:
https://brc-solar.de/en/power-optimizer-en/compatible-inverters/

BRClamp
Optional
frame mounting
on the module

New



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

BRC SOLAR