BRC
SOLAR

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
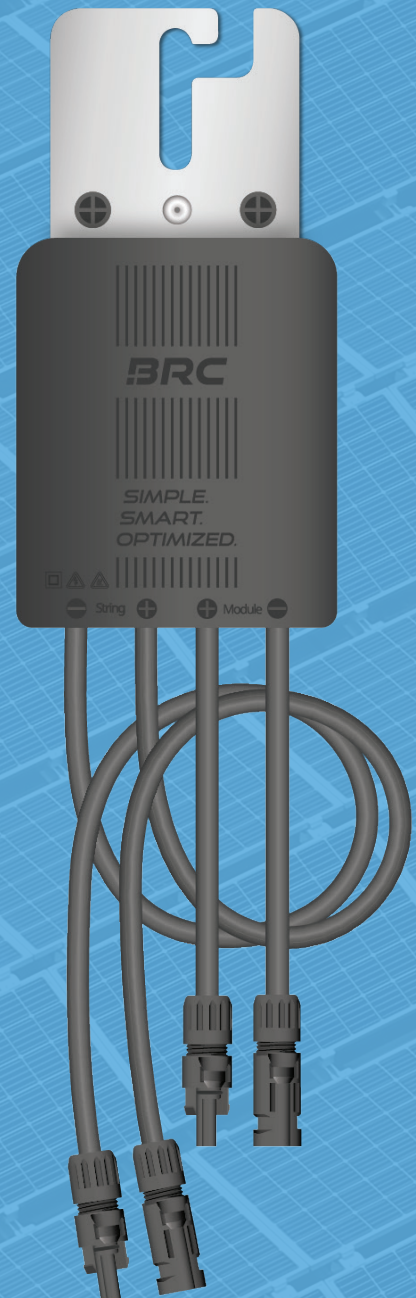*Standby function, Ultra Fast MPP tracking with 20x faster switching*

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

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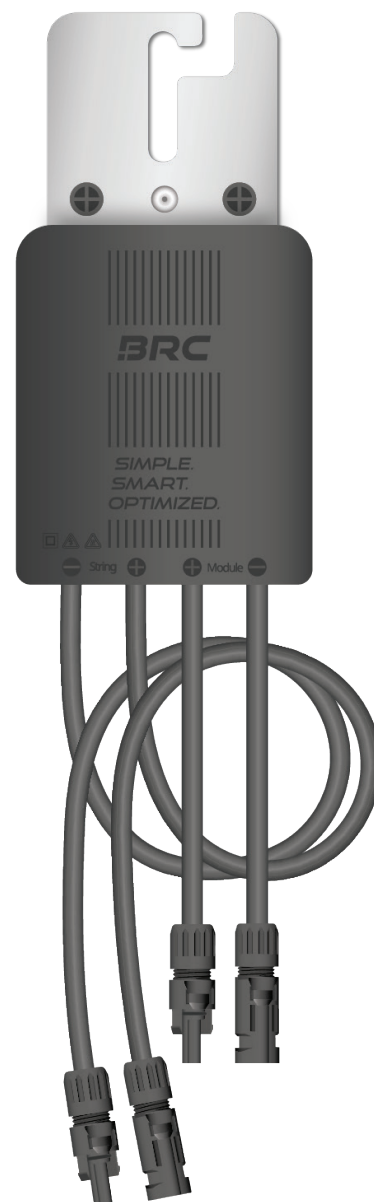*Maximum flexibility in use, can be combined with most common inverters*

www.brc-solar.de

SIMPLE.
SMART.
OPTIMIZED.

TECHNICAL DATA

ELECTRICAL DATA

INPUT	Total Max. Input Voltage	at - 40°C (-40°F): 70 V DC
	Input voltage range	16 - 70 V DC
	Rated current	18,5 A DC
	Short circuit current	23,2 A DC
	Maximum Input Power	700 W
	Overvoltage Category	II
	Maximum Efficiency	99,5%
OUTPUT	Output Voltage Range	0 to 70 Voc
	Output Power Range	0 W to 700 W
	Maximum System Voltage	1000 V
	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/

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

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