

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



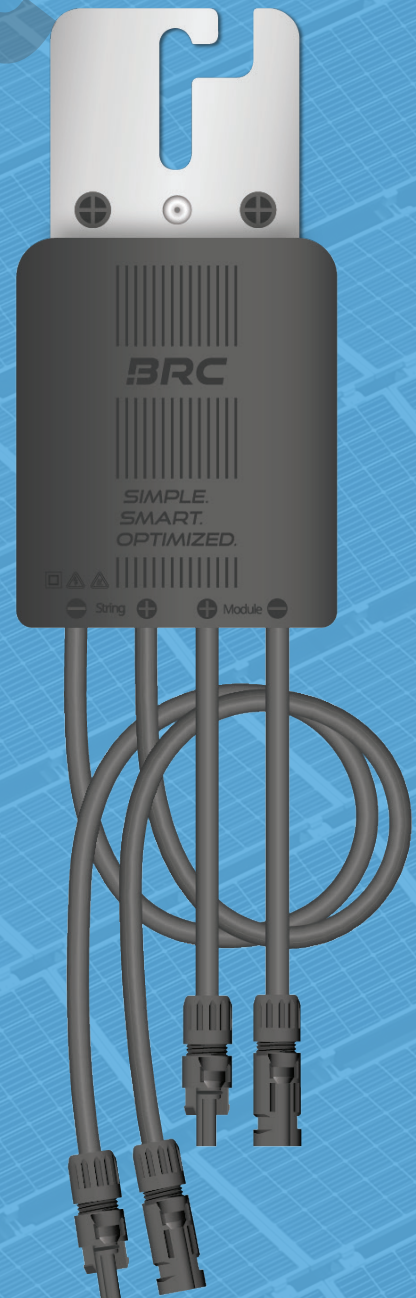
Simple installation

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



Inverter independence

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



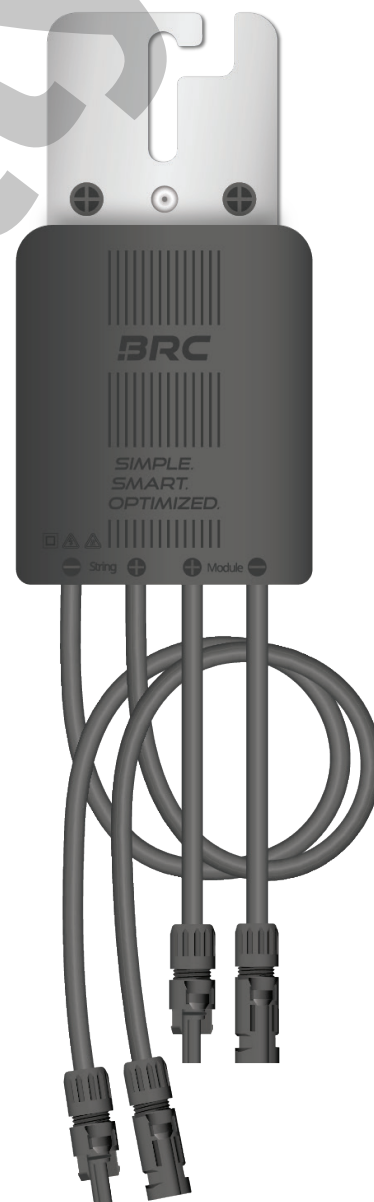
**SIMPLE.
SMART.
OPTIMIZED.**

TECHNICAL DATA

INPUT

OUTPUT

ELECTRICAL DATA	
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 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 mm ²
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/>

Power Optimizer for photovoltaic systems

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WARRANTY
 Because of our Long-Life-Electronics we grant warranty for 25 years
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LONG-LIFE-ELECTRONICS
 The Power Optimizer possesses a long-life circuit using the newest GaN technology
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MAXIMUM YIELD
 More PV-modules can be installed by using BRC Power Optimizers
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RELIABLE SUPPORT
 You can reach us for any concerns by e-mail and phone

