

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

Patented standby function, Ultra Fast MPP tracking with 20x faster switching



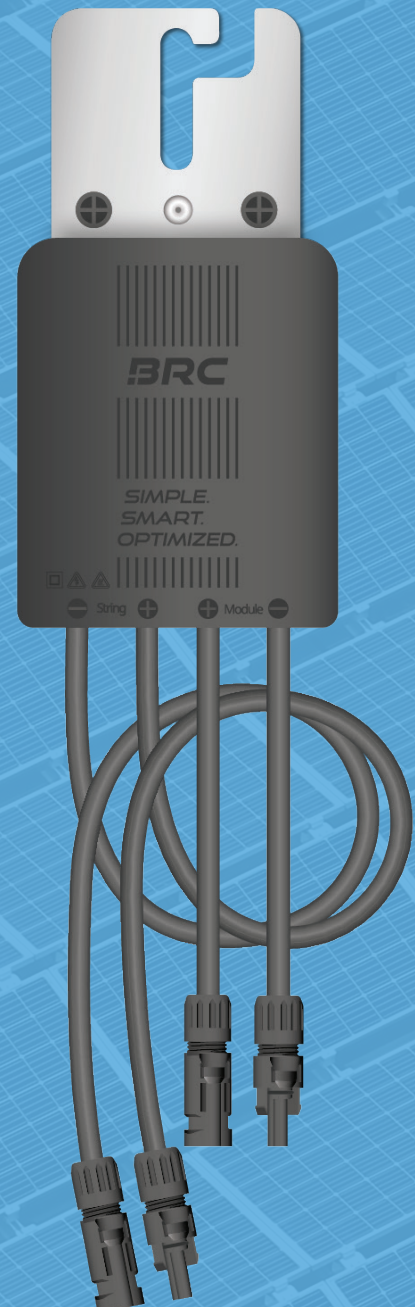
Simple installation

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



Inverter independence

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

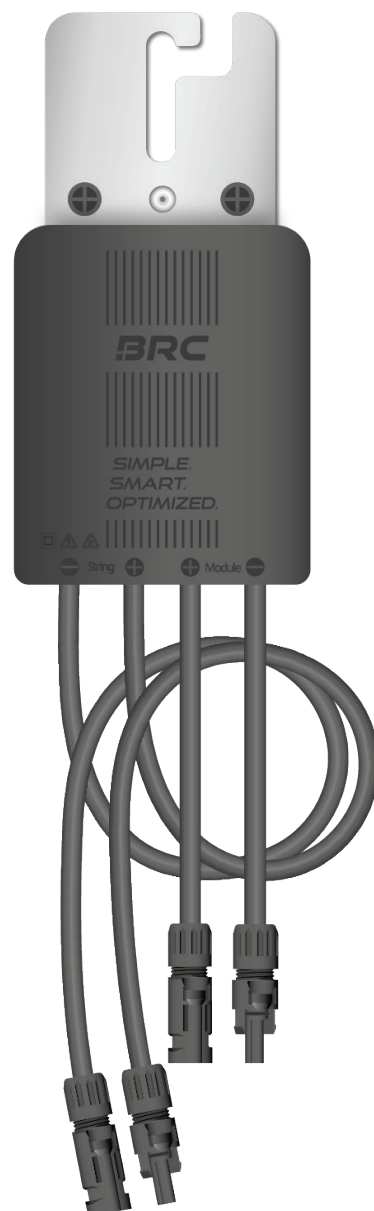


**SIMPLE.
SMART.
OPTIMIZED.**



TECHNICAL DATA

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
OUTPUT	Overvoltage Category II
	Maximum Efficiency 99,5%
	Output Voltage Range 0 to 70 V DC
	Output Power Range 0 W to 700 W
	Maximum System Voltage 1000 V
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	



BRClamp
Optional
frame mounting
on the module



* 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



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

