

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



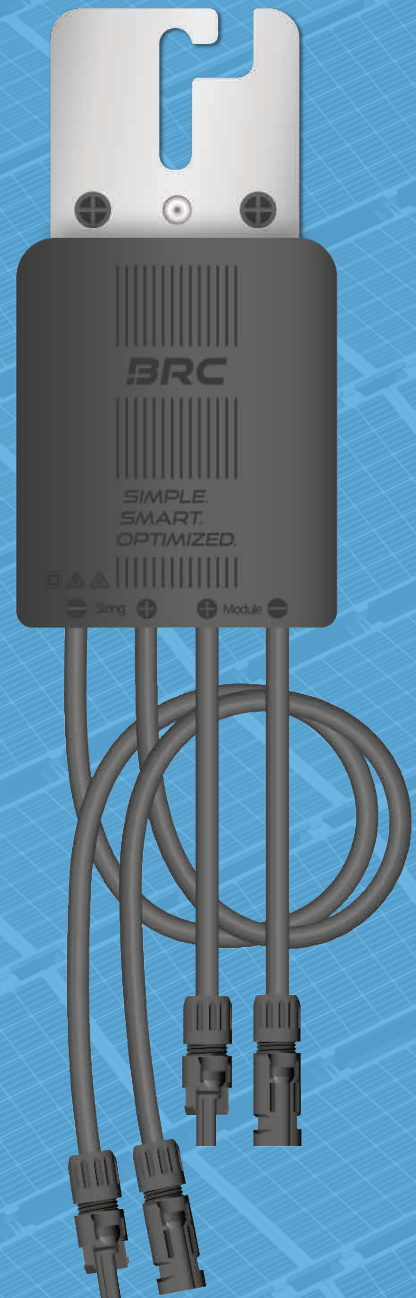
Simple installation

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



Inverter independence

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

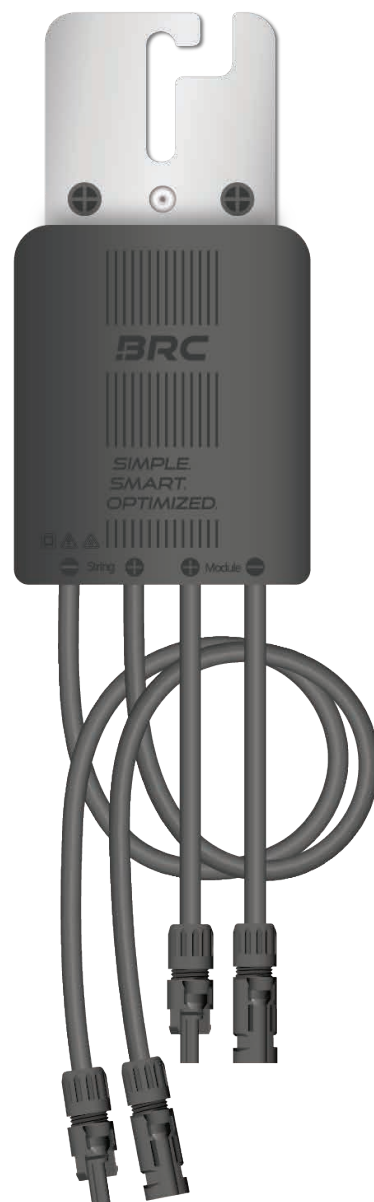


SIMPLE.
SMART.
OPTIMIZED.



TECHNICAL DATA

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 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



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

