

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



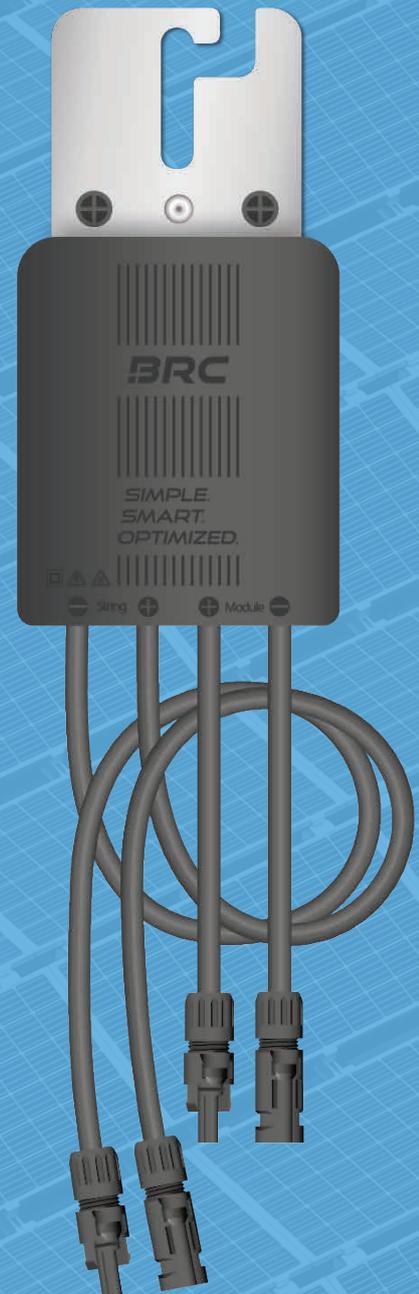
Simple installation

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

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 mm²

AMBIENT CONDITIONS

IP-Protection-Class IP68

Environmental Operating Temperature Range - 40°C to + 85°C (-40°F to +185°F)

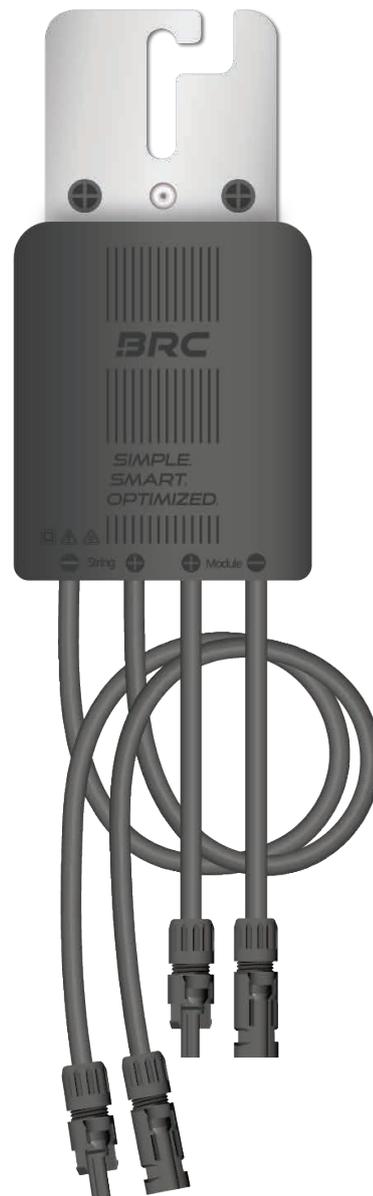
Relative Humidity 0% to 100 %

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

