

Power Optimizer M600-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



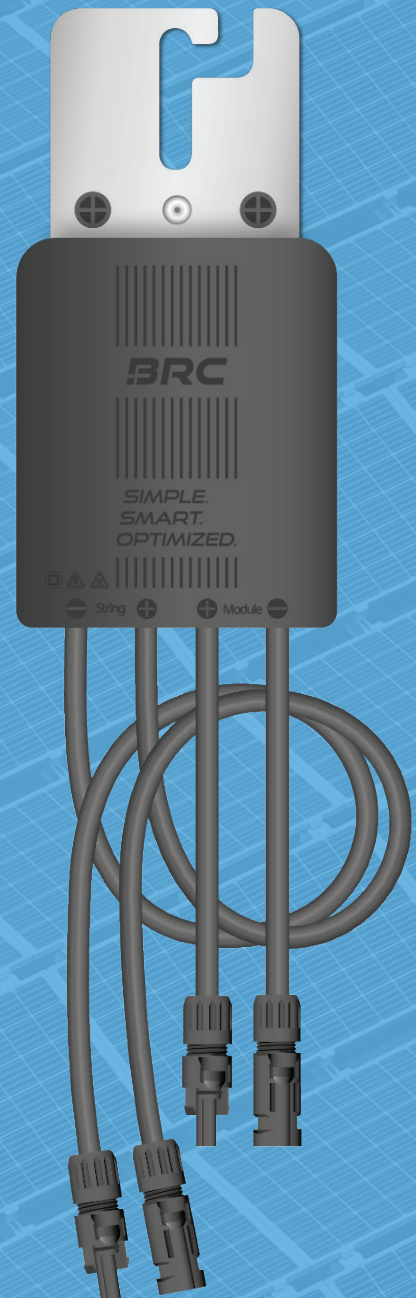
Simple installation

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 16 A DC

Short circuit current 20 A DC

Maximum Input Power 600 W

Overvoltage Category II

Maximum Efficiency 99,5%

Output Voltage Range 0 to Voc

Output Power Range 0 W to 600 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 420 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)

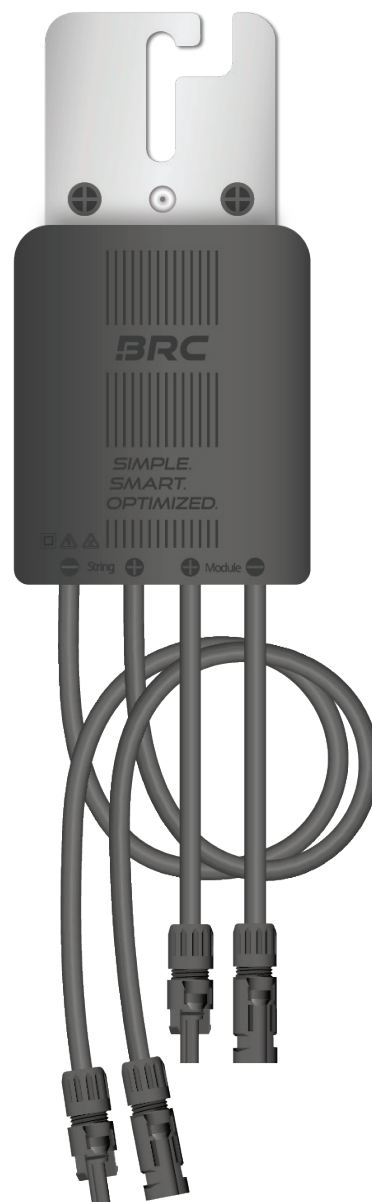
Relative Humidity 0% to 100 %

APPLIED STANDARDS

EMC EN 62920:2024

Safety IEC 62790 / IEC 62109-1/-3

RoHS RoHS compliant



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

