

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



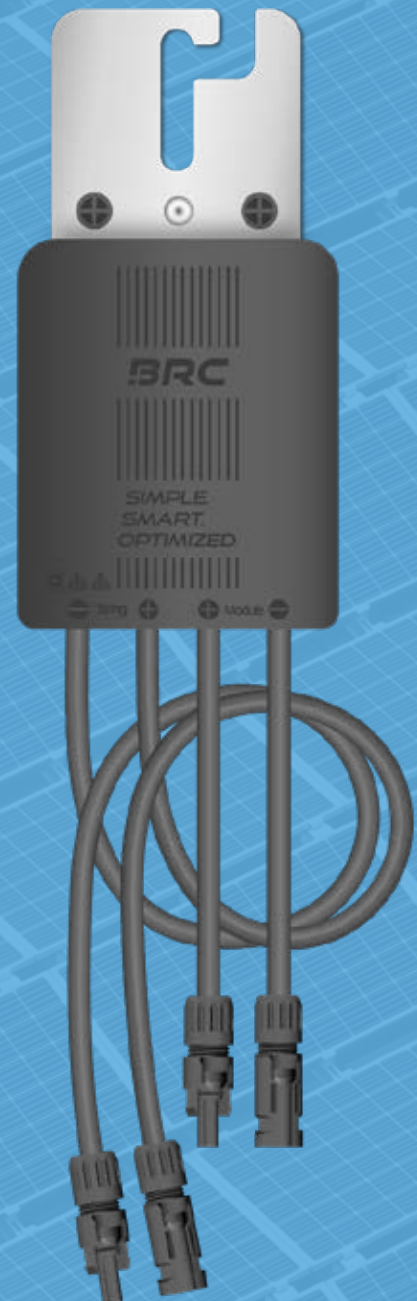
Simple installation

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



Inverter independence

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

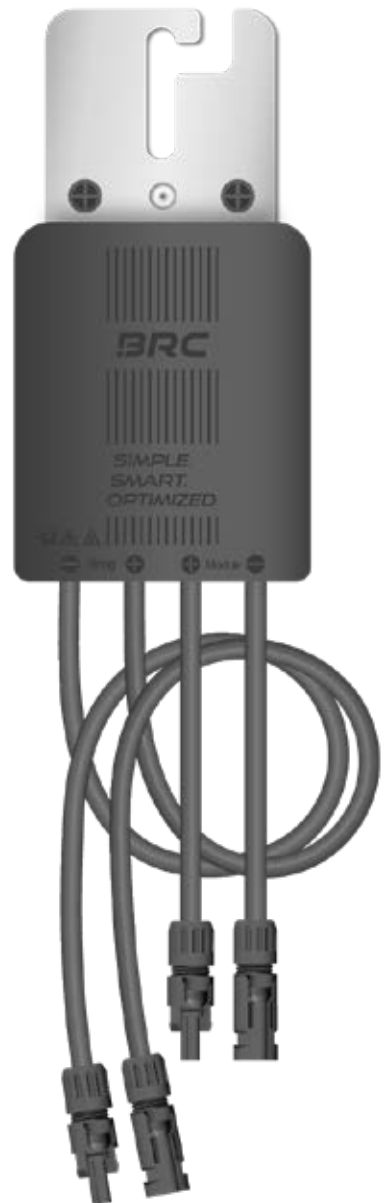


**SIMPLE.
SMART.
OPTIMIZED.**



TECHNICAL DATA

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 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

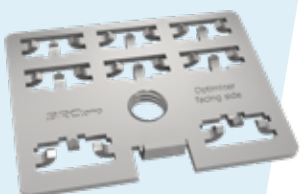


BRClamp

Optional frame mounting on the module



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

