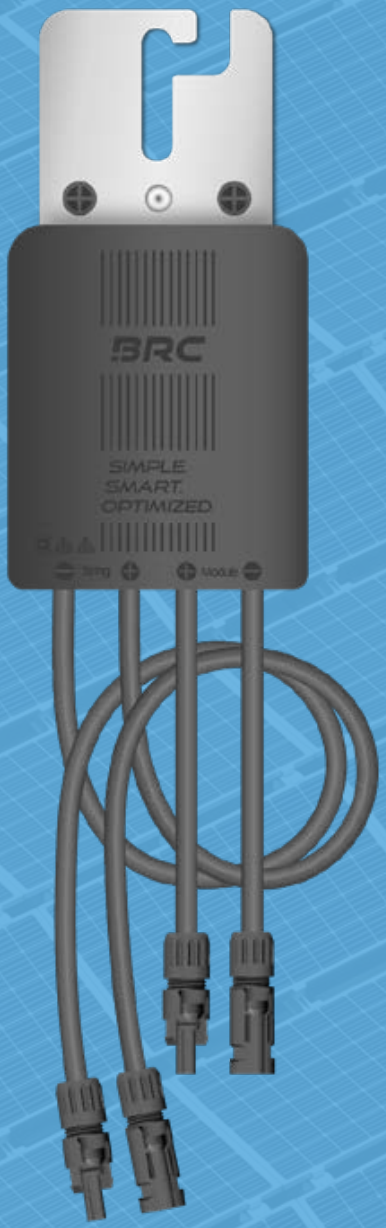
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Power Optimizer M700-E

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

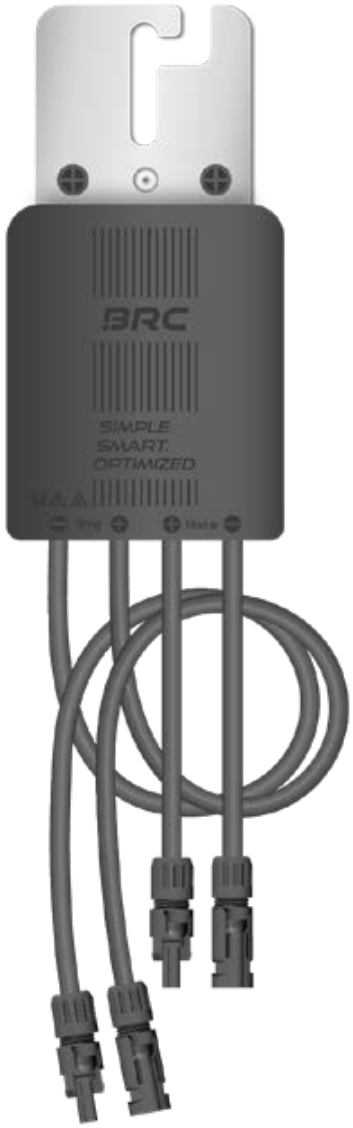
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TOP INNOVATION
OPTIMIZERS
GERMANY
2026

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
	Overvoltage Category	II
	Maximum Efficiency	99,5%
OUTPUT	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
	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

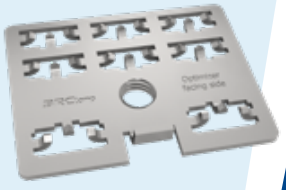


* Temperature-related derating is possible at rated power and at ambient temperatures above 75°C.
** The CE Declaration of Conformity is available on our website.
*** Check the compatibility of your inverter at the following link:
https://brc-solar.de/en/power-optimizer-en/compatible-inverters/

BRClamp

New

Optional
frame mounting
on the module



Power Optimizer for photovoltaic systems

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Because of our Long-Life-Electronics we grant warranty for 25 years

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The Power Optimizer possesses a long-life circuit using the newest GaN technology

MAXIMUM YIELD
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RELIABLE SUPPORT
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