BRC SOLAR

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

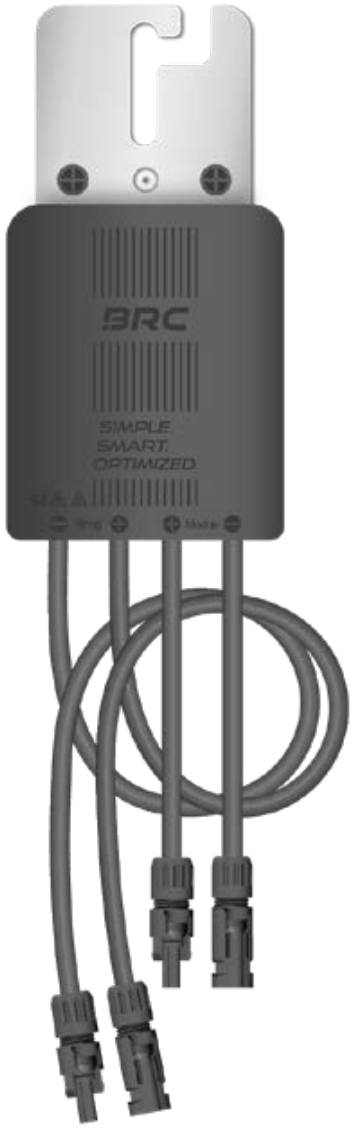
Simple installation
Simple plug & play system, no additional software or app required

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

www.brc-solar.de

TECHNICAL DATA

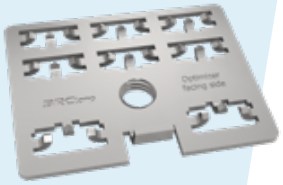
	ELECTRICAL DATA	
INPUT	Total Max. Input Voltage	at - 40°C (-40°F): 70 V DC
INPUT	Input voltage range	16 - 70 V DC
INPUT	Rated current	16 A DC
INPUT	Short circuit current	20 A DC
INPUT	Maximum Input Power	600 W
INPUT	Overvoltage Category	II
INPUT	Maximum Efficiency	99,5%
OUTPUT	Output Voltage Range	0 to Voc
OUTPUT	Output Power Range	0 W to 600 W
OUTPUT	Maximum System Voltage	1000 V
OUTPUT	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
	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

New

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