

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



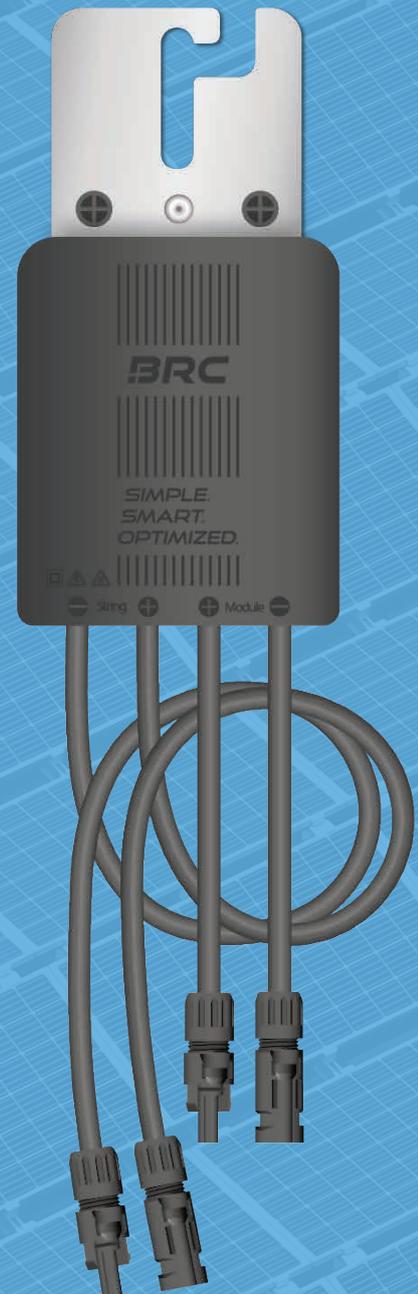
Simple installation

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



Inverter independence

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

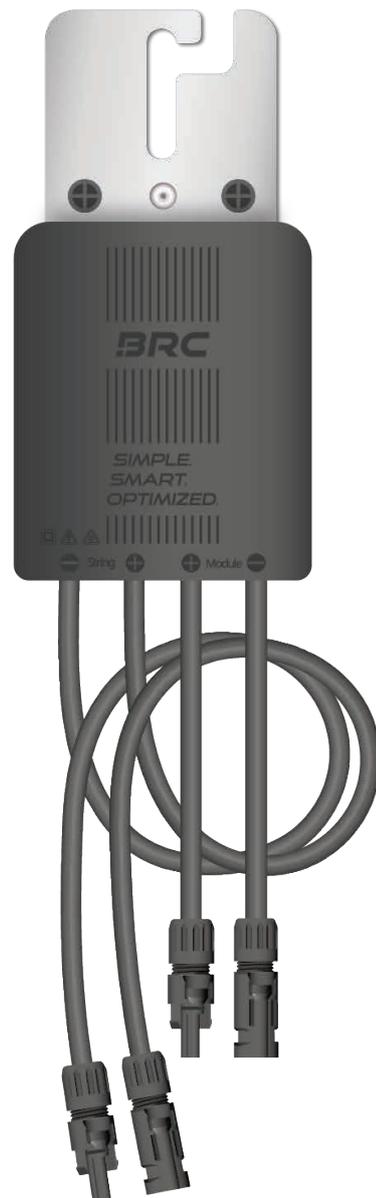


**SIMPLE.
SMART.
OPTIMIZED.**



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

