

Data Sheet

BeON 1 Microinverter

The model of microinverter **BeON 1** presents the better solution to produce your own electricity. Thanks to its innovative technology, you'll be able to set up your solar installation in a matter of minutes.

Our microinverters are connected in parallel, which guarantees an optimal production of your system even in cases where there is dirt and shading in any of the panels. Produce up to a 25% more power than with conventional inverters!



DC Input data

Recommended input power (STC)	300W
DC voltage	22V - 50V
Operating range	24V - 40V
Maximum DC short circuit current	15A

AC Output data

Rated output power	250W
Maximum continuous output power	1.15A
Voltage range	184V ~ 265V
Frequency range	46Hz ~ 60.2Hz
Power factor	> 0.99
Total harmonic distortion (THD)	< 3.5%
Maximum number of units per branch	12

Efficiency

Peak efficiency	95.4%
Average efficiency (EUR)	94.1%
Stand-by power consumption	< 110mW

Mechanical data

Weather proof rating	IP 68 – tested under water
Ambient temperature range	-40°C ~ +65°C
DC connection	MC 4
AC cabling (interconnection)	Trunk cable (each microinverter connects to a bus cable)
Dimensions (HxWxD)	232mm x 134mm x 26mm
Weight	1.65Kg

Other information

Anti-island function	Included (active and passive)
Compatible solar panels	Mono/polycrystalline Si 60/72 cells
Units per box	5 or 10
Certification	CE - EN50438
Warranty	10 years