

PV MICROINVERTER

PV Microinverters, also called “module inverters” are a special solution for photovoltaic energy production. They directly control the output power of their module. Therefore they are especially useful for PV areas with complicated shading of the modules to increase the overall efficiency of the system. Or they can be used to enable “plug-in” connections of a module to a grid via conventional power sockets therefore allowing easy implementation in isolated grids.



- ▶ **Reactive power capability**
- ▶ **Cap-less design**
- ▶ **Ultra high reliability**



Main features

- ▶ Individual MPP tracking per module
- ▶ Higher energy yield due to reduction of partial shading module mismatch or dirt on modules
- ▶ Higher availability of power generation due to elimination of “single point of failure” (like with central inverter)
- ▶ Easy and flexible scalability of PV generator systems
- ▶ No high voltage DC wiring, less installation cost and higher safety
- ▶ Further adjustments and options possible on request

Technical Data

INPUT

Maximum input power	260kW
Maximum input voltage	55Vdc
Operation voltage range	22...45Vdc
MPPT voltage range	25...36Vdc

OUTPUT

Maximum output power	218 W
Nominal output power	200 W
Nominal voltage/range	230 Vac/180...264Vac
Nominal frequency/range	50 Hz/47...53 Hz
Reactive power	0.9 inductive...capacitive
Maximum efficiency	>95%
CEC efficiency	94.5%
Dimension	205x175xx35 mm
Cooling	Natural convection, no fan