

NoCom System

Functionality und System Details

Unidirectional Communication

In certain situations where monitoring of the system is simply unnecessary, a micro-inverter with unidirectional communication features should be used here for cost efficiency purposes.

AEconversion provides an inverter without communication specifically for such cases. Through the use of independent monitoring systems baseline performance (overall yield of the system) can be monitored.



How does it work?

Each micro-inverter is connected to a PV-module using the DC wiring. The DC power is individually converted into grid-compliant AC power. The inverter is equipped with one AC terminal on the right side of the connection area, a 20A 3-pin AC connector. The terminal voltage is 208V, 230V or 240V depending on the version. The converted AC power is then directly fed into the utility grid via AC wiring.

The inverters are connected using 3-pin AC extension cables and distribution blocks, with one input and three outputs, to form continuous AC power circuits. On one AC circuit, which is operated for example with a 50Hz 350W micro-inverter, a 16A circuit breaker must be installed and can therefore operate up to 9 micro-inverters. For a 20A circuit breaker and 60Hz 350W micro-inverters, up to 12 micro-inverters are connected.

