

Who should use a single-phase inverter?

Single-phase inverters are ideal for smaller solar systems, especially in private households. They are ideal for:  
Private households: Single-family homes and small apartments with moderate power consumption. Small commercial enterprises: Offices, stores or workshops with manageable energy requirements.

What is a 1 phase inverter?

Despite the smaller power capacity, 1-phase inverters offer a very efficient conversion of direct current into alternating current. They optimize self-consumption by reliably feeding the generated solar power into the household grid or transferring it to the public grid.

What is a single-phase inverter?

Single-phase inverters convert the direct current (DC) generated by solar modules into grid-compliant alternating current (AC). They are particularly suitable for smaller photovoltaic systems in private households or small commercial applications with an energy requirement of up to around 10 kW.

Why should you use a 3-phase inverter?

Large office buildings, factories or other commercial facilities benefit from 3-phase power distribution, which ensures a more even load on the electrical infrastructure. The use of single-phase inverters in such environments can lead to overloads, power losses or inefficient operation.

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