



# Microinverter Specifications

What is a IQ8 microinverter?

The Enphase Energy IQ8 microinverter series represents the current state-of-the-art in AC Solar technology. In Australia, the IQ8 product lineup for 2025 consists of three models - IQ8AC, IQ8HC and IQ8X. In this article we discuss the specifications of each of these inverters and explain which solar modules they are best matched with.

How much torque does a microinverter need?

Torque the microinverter fasteners as follows. Do not over-torque. o 6 mm (&#188; in) mounting hardware: 5 N m (45 in-lb to 50 in-lb) o 8 mm (5/16 in) mounting hardware: 9 N m (80 in-lb to 85 in-lb) o When using UL 2703 mounting hardware, use the manufacturer's recommended torque value. Enphase microinverters installation 19 &#169; 2024 Enphase Energy Inc.

What is a microinverter housing?

The microinverter housing is designed for outdoor installation and complies with the NEMA 250, type 6 environmental enclosure rating standard. The Enphase IQ Cable is available with connector spacing options for both portrait and landscape PV module orientations.

What is a microinverter solar inverter?

Microinverters are a type of solar inverter technology installed at each panel. Microinverters offer many benefits, such as rapid shutdown capabilities, flexibility for panel layouts, and panel-level monitoring and diagnostics. Microinverters are typically more expensive than traditional string inverters.

Which microinverter should I Choose?

The IQ8AC is the lowest cost microinverter in the range, and it is ideal for use with modules in the 415 to 475W power range, so this is the model we recommend for most residential installations. If a module rated between 475 and 505W is being used, then the IQ8HC is required. Below is a summary of the key microinverter specifications.

What is a IQ7 microinverter?

The high-powered, smart grid-ready IQ7 and IQ7+ Microinverters dramatically simplify installation while achieving the highest system efficiency. Part of the Enphase Energy System, the IQ7 Series Microinverters integrate with the IQ Gateway, IQ Battery, and the Enphase Installer App monitoring and analysis software.

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