INVERTER / ENPHASE

Enphase IQ8X Microinverter

IQ8X-80-M-US

IQ8X converts DC power into AC at each solar panel. Each panel has its own inverter and monitoring, so you can see how individual panels are performing in the Enphase App.



380 VA	384 VA	25 years
Continuous AC output	Peak AC output	US warranty

For your home

Each panel works independently
A microinverter converts power at each panel rather than using one shared string inverter.

See individual panel performance
Panel-level monitoring helps show how your array is working and where attention is needed.

Your system

- Panel voltage and current limits
- Branch circuit layout and IQ Gateway
- Battery and backup controls, if included

MODEL DETAILS

Specifications & warranty

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Specification	Value
US model	IQ8X-80-M-US
Common panel pairing range	320–540 W DC
MPPT voltage range	43–60 V
Maximum DC input voltage	79.5 V
Maximum continuous DC current	10 A
Maximum module short-circuit current	13 A
Continuous / peak output at 240 V	380 / 384 VA
CEC efficiency at 240 V	96.5%
Nominal grid frequency	60 Hz
Enclosure	NEMA Type 6
US warranty	25 years

Warranty

25-year limited manufacturer warranty in the United States.

Inverter output ratings are per unit. Enphase output values above are at 240 V.

Original sources

Enphase IQ8X North American data sheet