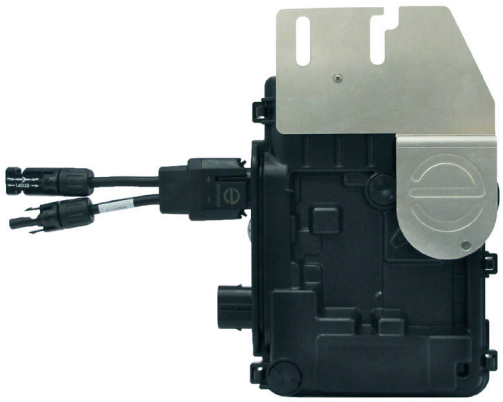
Enphase IQ 6 and IQ 6+ Microinverters

Designed for higher powered modules, the smart grid-ready **Enphase IQ 6 Micro™** and **Enphase IQ 6+ Micro™** are built on the sixth-generation platform and achieve the highest efficiency for module-level power electronics and reduced cost per watt.

Part of the Enphase IQ System, the IQ 6 and IQ 6+ Micro integrate seamlessly with the Enphase IQ Envoy™, Enphase IQ Battery™, and the Enphase Enlighten™ monitoring and analysis software.

The IQ 6 and IQ 6+ Micro are very reliable as they have fewer parts and undergo over 1 million hours of testing. Enphase provides an industry-leading warranty of up to 25 years.



Easy to Install

- Lightweight
- Simple cable management
- Built-in rapid shutdown (NEC 2014)

Productive

- Optimized for high powered modules
- Supports 60 and 72-cell modules
- Maximizes energy production

Smart Grid Ready

- Complies with fixed power factor, voltage and frequency ride-through requirements
- Remotely updates to respond to changing grid requirements
- Configurable for varying grid profiles

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INPUT DATA (DC)	IQ 6		IQ 6+	
Commonly used module pairings[1]	195 W - 300 W +		235 W - 400 W +	
Module compatibility	60-cell PV modules only		60-cell and 72-cell PV modules	
Maximum input DC voltage	48 V		62 V	
Peak power tracking voltage	27 V - 37 V		27 V - 45 V	
Operating range	16 V - 48 V		16 V - 62 V	
Min/Max start voltage	22 V / 48 V		22 V / 62 V	
Max DC short circuit current	15 A		15 A	
OUTPUT DATA (AC)	**IQ 6**		**IQ 6+**	
Peak output power	240 VA		290 VA	
Maximum continuous output power	230 VA		280 VA	
Nominal voltage/range[2]	240 V / 211-264 V	208 V / 183-229 V	240 V / 211-264 V	208 V / 183-229 V
Nominal output current	0.96 A	1.11 A	1.17 A	1.35 A
Nominal frequency	60 Hz		60 Hz	
Extended frequency range	47 - 68 Hz		47 - 68 Hz	
Power factor at rated power	1.0		1.0	
Maximum units per 20 A branch circuit	16		13	
Power factor (adjustable)	1 / 0.7 leading ... 0.7 lagging		1 / 0.7 leading ... 0.7 lagging	
EFFICIENCY	@240 V	@208 V	@240 V	@208 V
CEC weighted efficiency	97.0 %	96.5 %	97 %	96.5 %
MECHANICAL DATA				
Ambient temperature range	-40ºC to +65ºC			
Connector type	MC4 or Amphenol H4 UTX			
Dimensions (WxHxD)	219 mm x 191 mm x 37.9 mm (without bracket)			
Weight	1.5 kg (3.3 lbs)			
Cooling	Natural convection - No fans			
Enclosure environmental rating	Outdoor - NEMA 250, type 6			
FEATURES				
Communication	Power line			
Monitoring	Enlighten Manager and MyEnlighten monitoring options Compatible with Enphase IQ Envoy			
Compliance[3]	UL 62109-1, UL1741/IEEE1547, FCC Part 15 Class B, ICES-0003 Class B, CAN/CSA-C22.2 NO. 107.1-01 (Pending)			

1. No enforced DC/AC ratio. See the compatibility calculator at enphase.com/en-us/support/module-compatibility.
2. Nominal voltage range can be extended beyond nominal if required by the utility.
3. Pending

To learn more about Enphase offerings, visit **enphase.com**

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