

Enphase IQ 6 and 6+ Micros for AC Module Applications

Designed for AC Module (ACM) applications, the smart grid-ready **Enphase IQ 6 and 6+ ACM Micro™** is built on the latest microinverter technology from Enphase. The high performance IQ Micros increase energy harvest from PV modules while lowering system cost for installers.

Part of the Enphase IQ System, the IQ 6 ACM and IQ 6+ ACM microinverters are compatible with the Enphase IQ Envoy™, Enphase IQ Battery™, and Enphase Enlighten™ monitoring and analysis software.

Enphase Microinverters set the highest benchmark in quality and reliability in the PV industry.



Easy to install

- Microinverter pre-mounted on PV modules for easy transport and install
- Fast installation with Enphase Q Cable
- Built-in rapid shutdown compliant (NEC 2014 & 2017)

Versatile and Reliable

- Available through multiple module suppliers
- Optimized for high powered 60-cell and 72-cell* modules
- Adaptable for residential and commercial installations
- Works with railless or traditional racking systems
- Class II double-insulated enclosure
- UL listed

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
- Meets CA Rule 21 (UL 1741-SA)

* The IQ 6+ Micro is required to support 72-cell modules



Enphase IQ 6 and IQ 6+ Microinverters for AC Module Application

INPUT DATA (DC)	IQ6-60-ACM-US		IQ6PLUS-72-ACM-US	
Commonly used module pairings ¹	195 W - 330 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 (module I _{sc})	15 A		15 A	
Oversvoltage class DC port	II		II	
DC port backfeed under single fault	0 A		0 A	
PV array configuration	1 x 1 ungrounded array; No additional DC side protection required; AC side protection requires max 20A per branch circuit			
OUTPUT DATA (AC)	IQ 6 Microinverter		IQ 6+ Microinverter	
Peak output power	240 VA		290 VA	
Maximum continuous output power	230 VA		280 VA	
Nominal (L-L) voltage/range ²	240 V / 211-264 V	208 V / 183-229 V	240 V / 211-264 V	208 V / 183-229 V
Maximum continuous 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 (L-L) branch circuit	16 (240 VAC)		13 (240 VAC)	
	14 (208 VAC)		11 (208 VAC)	
Oversvoltage class AC port	III		III	
AC port backfeed under single fault	0 A		0 A	
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 %	97.0 %	97.0 %	97.0 %
MECHANICAL DATA				
Ambient temperature range	-40°C to +65°C			
Relative humidity range	4% to 100% (condensing)			
Connector type	Integrated Enphase DC Connector			
Dimensions (WxHxD)	219 mm x 191 mm x 33 mm			
Weight	1.1 kg (2.4 lbs)			
Cooling	Natural convection - No fans			
Approved for wet locations	Yes			
Pollution degree	PD3			
Environmental category / UV exposure rating	Outdoor - NEMA 250, type 6 (IP67)			
FEATURES				
Communication	Power line			
Monitoring	Enlighten Manager and MyEnlighten monitoring options Compatible with Enphase IQ Envoy			
Disconnecting means	The AC and DC connectors have been evaluated and approved by UL for use as the load-break disconnect required by NEC 690.			
Compliance	CA Rule 21 (UL 1741-SA) UL 62109-1, UL1741/IEEE1547, FCC Part 15 Class B, ICES-0003 Class B, CAN/CSA-C22.2 NO. 107.1-01 This product is UL Listed as PV Rapid Shut Down Equipment and conforms with NEC-2014 and NEC-2017 section 690.12 and C22.1-2015 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors, when installed according manufacturer's instructions.			

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.

To learn more about Enphase offerings, visit enphase.com