

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.



Simple

- Microinverter pre-mounted on PV modules for easy transport and install
- Fast installation with Enphase Q Cable

Versatile

- Available through multiple module suppliers
- Supports 60 and 72-cell modules
- Adaptable for residential and commercial installations
- Works with railless or traditional racking systems

Smart

- Supports power factor, voltage regulation, frequency regulation and ride through requirements
- Configurable for region specific grids
- Remotely updates to respond to changing utility requirements
- Built-in rapid shutdown (NEC 2014)



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 - 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 (module I _{sc})	15 A		15 A	
Oversoltage 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)	IQ6-60-ACM-US		IQ6PLUS-72-ACM-US	
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 (240 VAC)		13 (240 VAC)	
	14 (208 VAC)		11 (208 VAC)	
Oversoltage 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 %	96.5 %	97.0 %	96.5 %
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 (without bracket)			
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			
Compliance	UL 62109-1, UL1741/IEEE1547, FCC Part 15 Class B, ICES-0003 Class B, CAN/CSA-C22.2 NO. 107.1-01			

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