# Enphase IQ 7, IQ 7+, and IQ 7X Microinverters

The high-powered smart grid-ready

Enphase IQ Series Micros™ achieve the highest system efficiency.

Part of the Enphase IQ System, the IQ 7, IQ 7+, and IQ 7X Micro integrate perfectly with the Enphase Envoy- $S^{\text{TM}}$ , and the Enphase Enlighten monitoring and analysis software.

The IQ Series Micros extend the reliability standards set forth by previous generations and undergo over a million hours of power-on testing, enabling Enphase to provide an industry-leading warranty.



## Easy to Install

- · Lightweight and simple
- · Faster installation with improved, lighter two-wire cabling

### Productive and Reliable

- Optimized for high powered 60-cell / 120-half-cell, 72-cell / 144-half-cell \* and 96-cell\* modules
- · More than a million hours of testing
- · Class II double-insulated enclosure

### Smart Grid Ready

- Complies with advanced grid support, voltage and frequency ride-through requirements
- Remotely updates to respond to changing grid requirements
- · Configurable for varying grid profiles
- \* The IQ 7+ Micro is required to support 72-cell / 144-half-cell modules, and the IQ 7X is required to support 96-cell modules.



# Enphase IQ 7, IQ 7+, and IQ 7X Microinverters

Commonly used module pairings ¹         235 W - 350 W +         235 W - 440 W +         320 W - 460 W +           Module compatibility         60-celf / 120-half-cell         60 V 70-50 (120 & 144-half-cell)         96-cell           Maximum input De Voltage         48 V         60 V         79-5 V           Peak power tracking voltage         27 V - 37 V         27 V - 45 V         53 V - 64 V           Operating range         16 V - 48 V         16 V - 60 V         25 V - 79.5 V           Min/Max start voltage         22 V / 48 V         22 V / 60 V         33 V / 79.5 V           Max DC short circuit current (module Isc)         15 A         15 A         10 A           Overvoltage class DC port         III         II         II           DC port backfeed under single fault         0 A         0 A         0 A           Outrout D Arack         10 7 Microinverter         10 7 Microinverter         10 7 Microinverter           Peak output power         250 VA         295 VA         320 V M           Maximum continuous output power         240 VA         290 VA         315 VA           Nominal (L-N) voltage/frange²         230 V / 184-276 V         230 V / 184-276 V         230 V / 184-276 V           Maximum incurrent         10.4 A         1.26 A         1.37 A	INPUT DATA (DC)	IQ7-60-2-INT	IQ7PLUS-72-2-INT	IQ7X-96-2-INT	
Maximum input DC voltage         48 V         60 V         79.5 V           Peak power tracking voltage         27 V - 37 V         27 V - 45 V         53 V - 64 V           Operating range         16 V - 48 V         16 V - 60 V         25 V - 79.5 V           Min/Max start voltage         22 V / 48 V         22 V / 60 V         33 V / 79.5 V           Max DC short circuit current (module Iso)         15 A         15 A         10 A           Overvoltage class DC port         II         II         II           DC port backfeed under single fault         0 A         0.A         0.A           OUTPUT DATA (AC)         Q7 Microinverter         IQ 7X Microinverter         10 7X Microinverter           Peak output power         250 VA         295 VA         320 VA           Maximum continuous output power         240 VA         290 VA         315 VA           Nominal (L-N) voltage/range²         230 V / 184-276 V         230 V / 184-276 V         230 V / 184-276 V           Maximum continuous output current         1.04 A         1.26 A         1.37 A           Nominal frequency         50 Hz         50 Hz         50 Hz           Extended frequency range         45 - 55 Hz         45 - 55 Hz         45 - 55 Hz           Maximum cnitisuous output current	Commonly used module pairings <sup>1</sup>	235 W - 350 W +	235 W - 440 W +	320 W - 460 W +	
Peak power fracking voltage         27 V - 37 V         27 V - 45 V         53 V - 64 V           Operating range         16 V - 48 V         16 V - 60 V         25 V - 79.5 V           Min/Max start voltage         22 V / 48 V         22 V / 60 V         33 V / 79.5 V           Max DC short circuit current (module Iso)         15 A         15 A         10 A           Overvoltage class DC port         II         II         II           DC port backfeed under single fault         0 A         0 A         0 A           OUTPUT DATA (AC)         1Q 7 Microinverter         1Q 7 Microinverter         1Q 7 Microinverter         1Q 7 Microinverter           Peak output power         250 VA         295 VA         320 VA           Maximum continuous output power         240 VA         290 VA         315 VA           Maximum continuous output current         1.04 A         1.26 A         1.37 A           Maximum continuous output current         1.04 A         1.26 A         1.37 A           Nominal (1e, N) voltage/range?         230 V / 184-276 V         230 V / 184-276 V         230 V / 184-276 V           Maximum continuous output current         1.04 A         1.26 A         1.37 A         1.00 L           Stetended frequency range         45 - 55 Hz         55 Hz         45	Module compatibility	60-cell / 120-half-cell	60 & 72-cell (120 & 144-half-cell)	96-cell	
Operating range         16 V-48 V         16 V-60 V         25 V-79.5 V           Min/Max start voltage         22 V/48 V         22 V/60 V         33 V/79.5 V           Min/Max start voltage         22 V/48 V         22 V/60 V         33 V/79.5 V           Max DC short circuit current (module Isc)         15 A         15 A         10 A           Overvoltage class DC port         II         II         II           DC port backfeed under single fault         0 A         0 A         0 A           OUTPUT DATA (AC)         10 7 Microinverter         10 7 Microinverter         10 7 Microinverter         10 7 Microinverter           Peak output power         250 VA         295 VA         320 VA           Maximum continuous output power         240 VA         290 VA         315 VA           Nominal (I-N) voltage/range²         230 V / 184-276 V         230 V / 184-276 V         230 V / 184-276 V           Maximum continuous output current         1.04 A         1.26 A         1.37 A           Nominal frequency         50 Hz         50 Hz         50 Hz         50 Hz           Extended frequency range         45 -55 Hz         45 -55 Hz         45 -55 Hz           Maximum continuous output current         18 (230 VAC)         13 (230 VAC)         12 (230 VAC)	Maximum input DC voltage	48 V	60 V	79.5 V	
Min/Max start voltage         22 V / 48 V         22 V / 60 V         33 V / 79.5 V           Max DC short circuit current (module Isc)         15 A         15 A         10 A           Overvoltage class DC port         II         II         II           DC port backfeed under single fault         0 A         0 A         0 A           OUTPUT DATA (AC)         10 7 Microinverter         10 7* Microinverter         10 7* Microinverter         10 7* Microinverter           Peak output power         250 VA         290 VA         315 VA           Nominal (I-N) voltage/range²         230 V / 184-276 V         230 V / 184-276 V         230 V / 184-276 V           Maximum continuous output current         1.04 A         1.26 A         1.37 A           Nominal frequency         50 Hz         50 Hz         50 Hz           Extended frequency range         45 - 55 Hz         45 - 55 Hz         45 - 55 Hz           Maximum units per 20 A (L-N) branch circuit³         16 (230 VAC)         13 (230 VAC)         12 (230 VAC)           Overvoltage class AC port         III         III         III         III         III         III         III         III         III         AC         200 VAC)         30 VAC)         30 Reading 0.8 lagging         0.8 leading 0.8 lagging         0.8 l	Peak power tracking voltage	27 V - 37 V	27 V - 45 V	53 V - 64 V	
Max DC short circuit current (module Isc)         15 A         15 A         10 A           Overvoltage class DC port         II         II         II           DC port backfeed under single fault         0 A         0 A         0 A           OUTPUT DATA (AC)         IQ 7 Microinverter         IQ	Operating range	16 V - 48 V	16 V - 60 V	25 V - 79.5 V	
Overvoltage class DC port         II         II         II         II         II         II         IDC port backfeed under single fault         0 A <th< td=""><td>Min/Max start voltage</td><td>22 V / 48 V</td><td>22 V / 60 V</td><td>33 V / 79.5 V</td></th<>	Min/Max start voltage	22 V / 48 V	22 V / 60 V	33 V / 79.5 V	
DC port backfeed under single fault         0 A         0 A         0 A         0 A           OUTPUT DATA (AC)         IQ 7 Microinverter         IQ 7 Microinverter         IQ 7 Microinverter         IQ 7 Microinverter           Peak output power         250 VA         295 VA         320 VA           Maximum continuous output power         240 VA         290 VA         315 VA           Nominal (L-N) voltage/range²         230 V / 184-276 V         230 V / 184-276 V         230 V / 184-276 V           Maximum continuous output current         1.04 A         1.26 A         1.37 A           Nominal frequency         50 Hz         50 Hz         50 Hz           Extended frequency range         45 - 55 Hz         45 - 55 Hz         45 - 55 Hz           Maximum units per 20 A (L-N) branch circuit³         16 (230 VAC)         13 (230 VAC)         12 (230 VAC)           Overvoltage class AC port         III         III         III         III         III           AC port backfeed current         18mA         18mA         18mA         18mA           Power factor setting         1.0         1.0         1.0         1.0           Power factor setting         0.8 leading 0.8 lagging         0.8 leading 0.8 lagging         0.8 leading 0.8 lagging         0.8 leading 0.8 la	Max DC short circuit current (module lsc)	15 A	15 A	10 A	
OUTPUT DATA (AC)         IQ 7 Microinverter         IQ 7 Microinverter         IQ 7 Microinverter           Peak output power         250 VA         295 VA         320 VA           Maximum continuous output power         240 VA         290 VA         315 VA           Nominal (I-N) voltage/range²         230 V / 184-276 V         230 V / 184-276 V         230 V / 184-276 V           Maximum continuous output current         1.04 A         1.26 A         1.37 A           Nominal frequency         50 Hz         50 Hz         50 Hz           Extended frequency range         45 - 55 Hz         45 - 55 Hz         45 - 55 Hz           Maximum units per 20 A (LN) branch circuit³         16 (230 VAC)         13 (230 VAC)         12 (230 VAC)           Overvoltage class AC port         III         III         III         III           AC port backfeed current         18mA         18mA         18mA         18mA           AC port backfeed current         1.0         1.0         1.0         1.0           Power factor settiting         1.0         1.0         1.0         1.0           Power factor (adjustable)         0.8 leading 0.8 lagging         0.8 leading 0.8 lagging         0.8 leading 0.8 lagging           EFFICIENCY         96.5 %         96.5 %	Overvoltage class DC port	II	II	II	
Peak output power         250 VA         295 VA         320 VA           Maximum continuous output power         240 VA         290 VA         315 VA           Maximum continuous output power         240 VA         290 VA         315 VA           Nominal (L-N) voltage/range²         230 V / 184-276 V         230 V / 184-276 V           Maximum continuous output current         1.04 A         1.26 A         1.37 A           Nominal frequency         50 Hz         50 Hz         50 Hz           Extended frequency range         45 - 55 Hz         45 - 55 Hz <t< td=""><td>DC port backfeed under single fault</td><td>0 A</td><td>0 A</td><td>0 A</td></t<>	DC port backfeed under single fault	0 A	0 A	0 A	
Maximum continuous output power         240 VA         290 VA         315 VA           Nominal (L-N) voltage/range²         230 V / 184-276 V         255 Ftz         36 V / 32 V         255 Ftz         255 Ftz         255 Ftz         255 Ftz         255 Ftz         255 Ftz         250 VAC)         12 (230 VAC)         10 VAC         <	OUTPUT DATA (AC)	IQ 7 Microinverter	IQ 7+ Microinverter	IQ 7X Microinverter	
Nominal (I-N) voltage/range²         230 V / 184-276 V         230 V / 184-276 V         230 V / 184-276 V           Maximum continuous output current         1.04 A         1.26 A         1.37 A           Nominal frequency         50 Hz         50 Hz         50 Hz           Extended frequency range         45 - 55 Hz         45 - 55 Hz         45 - 55 Hz           Maximum units per 20 A (I-N) branch circuit³         16 (230 VAC)         13 (230 VAC)         12 (230 VAC)           Overvoltage class AC port         III         III         III           AC port backfeed current         18mA         18mA         18mA           Power factor setting         1.0         1.0         1.0           Power factor (adjustable)         0.8 leading 0.8 lagging         0.8 leading 0.8 lagging         0.8 leading 0.8 lagging           EFFICIENCY         @230 V         @230 V         @230 V         @230 V           EN 50530 (EU) weighted efficiency         96.5 %         96.5 %         96.5 %           MECHANICAL DATA         Ambient temperature range         -40°C to +65°C         -40°C to +66°C         -40°C to +60°C           Relative humidity range         MC4 (or Amphenol H4 UTX with additional Q-DCC-5 adapter)         Weight           Cooling         Natural convection - No fans <td>Peak output power</td> <td>250 VA</td> <td>295 VA</td> <td>320 VA</td>	Peak output power	250 VA	295 VA	320 VA	
Maximum continuous output current         1.04 A         1.26 A         1.37 A           Nominal frequency         50 Hz         50 Hz         50 Hz           Extended frequency range         45 - 55 Hz         45 - 55 Hz         45 - 55 Hz           Maximum units per 20 A (I-N) branch circuit³         16 (230 VAC)         13 (230 VAC)         12 (230 VAC)           Overvoltage class AC port         III         III         III           AC port backfeed current         18mA         18mA         18mA           Power factor setting         1.0         1.0         1.0           Power factor (adjustable)         0.8 leading 0.8 lagging         0.8 leading 0.8 lagging         0.8 leading 0.8 lagging           EFFICIENCY         @230 V         @230 V         @230 V         @230 V           N 50530 (EU) weighted efficiency         96.5 %         96.5 %         96.5 %           MECHANICAL DATA           Ambient temperature range         -40°C to +65°C         -40°C to +66°C         -40°C to +60°C           Relative humidity range         MC4 (or Amphenol H4 UTX with additional Q-DCC-5 adapter)         -40°C to +60°C           Weight         1.08 kg         -40°C to +65°C         -40°C to +60°C           Cooling         Natural convection - No fans	Maximum continuous output power	240 VA	290 VA	315 VA	
Nominal frequency         50 Hz         50 Hz         50 Hz           Extended frequency range         45 - 55 Hz         45 - 55 Hz         45 - 55 Hz           Maximum units per 20 A (I-N) branch circuit³         16 (230 VAC)         13 (230 VAC)         12 (230 VAC)           Overvoltage class AC port         III         III         III           AC port backfeed current         18mA         18mA         18mA           Power factor setting         1.0         1.0         1.0           Power factor (adjustable)         0.8 leading 0.8 lagging	Nominal (L-N) voltage/range <sup>2</sup>	230 V / 184-276 V	230 V / 184-276 V	230 V / 184-276 V	
Extended frequency range         45 - 55 Hz         45 - 55 Hz         45 - 55 Hz           Maximum units per 20 A (L-N) branch circuit³         16 (230 VAC)         13 (230 VAC)         12 (230 VAC)           Overvoltage class AC port         III         III         III           AC port backfeed current         18mA         1.0         1.0           Power factor setting         0.8 leading 0.8 lagging         0.8 leading 0.8 lagging         0.8 leading 0.8 lagging           EFFICIENCY         @230 V         @230 V         @230 V           EN 50530 (EU) weighted efficiency         96.5 %         96.5 %         96.5 %           MECHANICAL DATA         Ambient temperature range         40°C to +65°C         -40°C to +65°C         -40°C to +66°C           Relative humidity range         45 to 100% (condensing)         -5 *         -40°C to +60°C           Connector type         MC4 (or Amphenol H4 UTX with additional Q-DCC-5 adapter)         -5 *           Weight         1.08 kg         -5 *           Cooling         Natural convection - No fans         -5 *           Approved for wet locations         Yes         -5 *           Pollution degree         Class II double-insulated, crucine resistant polymeric enclosure         -5 *           Environmental category / UV exposure ration <td>Maximum continuous output current</td> <td>1.04 A</td> <td>1.26 A</td> <td>1.37 A</td>	Maximum continuous output current	1.04 A	1.26 A	1.37 A	
Maximum units per 20 A (L-N) branch circuit*         16 (230 VAC)         13 (230 VAC)         12 (230 VAC)           Overvoltage class AC port         III         III         III         III           AC port backfeed current         18mA         18mA         1.0           Power factor setting         1.0         1.0         1.0           Power factor (adjustable)         0.8 leading 0.8 lagging         0.8 leading 0.8 lagging         0.8 leading 0.8 lagging           EFFICIENCY         @230 V         @230 V         @230 V           EN 50530 (EU) weighted efficiency         96.5 %         96.5 %         96.5 %           MECHANICAL DATA         Ambient temperature range         -40°C to +65°C         -40°C to +65°C         -40°C to +66°C           Relative humidity range         4% to 100% (condensing)           Connector type         MC4 (or Amphenol H4 UTX with additional Q-DCC-5 adapter)           Dimensions (HxWxD)         212 mm x 175 mm x 30.2 mm (without bracket)           Weight         1.08 kg           Cooling         Natural convection - No fans           Approved for wet locations         Yes           Pollution degree         PDI           Enclosure         Class II double-insulated, cor	Nominal frequency	50 Hz	50 Hz	50 Hz	
Overvoltage class AC port         III         III         III         III           AC port backfeed current         18mA         18mA         18mA           Power factor setting         1.0         1.0         1.0           Power factor (adjustable)         0.8 leading 0.8 lagging         0.8 leading 0.8 lagging         0.8 leading 0.8 lagging           EFFICIENCY         @230 V         @230 V         @230 V           EN 50530 (EU) weighted efficiency         96.5 %         96.5 %         96.5 %           MECHANICAL DATA         Ambient temperature range         -40°C to +65°C         -40°C to +65°C         -40°C to +66°C         -40°C to +60°C           Relative humidity range         4% to 100% (condensing)         Without with additional Q-DCC-5 adapter)         Without bracket)         Without bracket)         Without bracket)         Without bracket)         Weight         1.08 kg         Without bracket)         Weight         Natural convection - No fans         Ves         Pollution degree         PD3         Pollution degree         PD3         Pollution degree         Po	Extended frequency range	45 - 55 Hz	45 - 55 Hz	45 - 55 Hz	
AC port backfeed current         18mA         18mA         18mA           Power factor setting         1.0         1.0         1.0           Power factor (adjustable)         0.8 leading 0.8 lagging         0.8 leading 0.8 lagging         0.8 leading 0.8 lagging           EFFICIENCY         @230 V         @230 V         @230 V           EN 50530 (EU) weighted efficiency         96.5 %         96.5 %           MECHANICAL DATA         ************************************	Maximum units per 20 A (L-N) branch circuit <sup>3</sup>	16 (230 VAC)	13 (230 VAC)	12 (230 VAC)	
Power factor setting         1.0         1.0         1.0           Power factor (adjustable)         0.8 leading 0.8 lagging         0.8 leading 0.8 lagging         0.8 leading 0.8 lagging           EFFICIENCY         @230 V         @230 V         @230 V           EN 50530 (EU) weighted efficiency         96.5 %         96.5 %           MECHANICAL DATA         Ambient temperature range         -40°C to +65°C         -40°C to +65°C         -40°C to +60°C           Relative humidity range         4% to 100% (condensing)           Connector type         MC4 (or Amphenol H4 UTX with additional Q-DCC-5 adapter)           Dimensions (HxWxD)         212 mm x 175 mm x 30.2 mm (without bracket)           Weight         1.08 kg           Cooling         Natural convection - No fans           Approved for wet locations         Yes           Pollution degree         PD3           Enclosure         Class II double-insulated, corrosion resistant polymeric enclosure           Environmental category / UV exposure rating         Outdoor - IP67           FEATURES           Communication         Power Line Communication (PLC)           Monitoring         Enlighten Manager and MyEnlighten monitoring options compatible with Enpha	Overvoltage class AC port		III	III	
Power factor (adjustable)  0.8 leading 0.8 lagging  0.8 lading 0.8 lagging  0.8 leading 0.8 laging  0.8 lading 0.8 laging  0.8 leading 0.8 laging  0.8 lading 0.8 lading  0.8 lading 0.8 laging  0.8 lading 0.8 laging	AC port backfeed current	18mA	18mA	18mA	
EFFICIENCY  @ 230 V  @ 230 V  @ 230 V  EN 50530 (EU) weighted efficiency 96.5 % 96.5 % 96.5 %  MECHANICAL DATA  Ambient temperature range -40 °C to +65 °C -40 °C to +65 °C -40 °C to +65 °C -40 °C to +60 °C  Relative humidity range 4% to 100% (condensing)  Connector type MC4 (or Amphenol H4 UTX with additional Q-DCC-5 adapter) Dimensions (HxWxD) 212 mm x 175 mm x 30.2 mm (without bracket)  Weight 1.08 kg Cooling Natural convection - No fans  Approved for wet locations Yes Pollution degree PD3 Enclosure Environmental category / UV exposure rating Outdoor - IP67  FEATURES  Communication Power Line Communication (PLC) Monitoring Enlighten Manager and MyEnlighten monitoring options Compatible with Enphase Envoy-S  Compliance AS 4777.2, RCM, IEC/EN 61000-6-3,	Power factor setting	1.0	1.0	1.0	
EN 50530 (EU) weighted efficiency 96.5 % 96.5 % 96.5 % 96.5 %  MECHANICAL DATA  Ambient temperature range -40°C to +65°C -40°C to +65°C -40°C to +60°C  Relative humidity range 4% to 100% (condensing)  Connector type MC4 (or Amphenol H4 UTX with additional Q-DCC-5 adapter)  Dimensions (HxWxD) 212 mm x 175 mm x 30.2 mm (without bracket)  Weight 1.08 kg  Cooling Natural convection - No fans  Approved for wet locations Yes  Pollution degree PD3  Enclosure Class II double-insulated, corrosion resistant polymeric enclosure  Environmental category / UV exposure rating Outdoor - IP67  FEATURES  Communication Power Line Communication (PLC)  Monitoring Enlighten Manager and MyEnlighten monitoring options Compatible with Enphase Envoy-S  Compliance AS 4777.2, RCM, IEC/EN 61000-6-3,	Power factor (adjustable)	0.8 leading 0.8 lagging	0.8 leading 0.8 lagging	0.8 leading 0.8 lagging	
MECHANICAL DATA  Ambient temperature range	EFFICIENCY	@230 V	@230 V	@230 V	
Ambient temperature range -40°C to +65°C -40°C to +65°C -40°C to +60°C  Relative humidity range 4% to 100% (condensing)  Connector type MC4 (or Amphenol H4 UTX with additional Q-DCC-5 adapter)  Dimensions (HxWxD) 212 mm x 175 mm x 30.2 mm (without bracket)  Weight 1.08 kg  Cooling Natural convection - No fans  Approved for wet locations Yes  Pollution degree PD3  Enclosure Class II double-insulated, corrosion resistant polymeric enclosure  Environmental category / UV exposure rating Outdoor - IP67  FEATURES  Communication Power Line Communication (PLC)  Monitoring Enlighten Manager and MyEnlighten monitoring options Compatible with Enphase Envoy-S  Compliance AS 4777.2, RCM, IEC/EN 61000-6-3,	EN 50530 (EU) weighted efficiency	96.5 %	96.5 %	96.5 %	
Relative humidity range 4% to 100% (condensing)  Connector type MC4 (or Amphenol H4 UTX with additional Q-DCC-5 adapter)  Dimensions (HxWxD) 212 mm x 175 mm x 30.2 mm (without bracket)  Weight 1.08 kg  Cooling Natural convection - No fans  Approved for wet locations Yes  Pollution degree PD3  Enclosure Class II double-insulated, corrosion resistant polymeric enclosure  Environmental category / UV exposure rating Outdoor - IP67  FEATURES  Communication Power Line Communication (PLC)  Monitoring Enlighten Manager and MyEnlighten monitoring options Compatible with Enphase Envoy-S  Compliance AS 4777.2, RCM, IEC/EN 61000-6-3,	MECHANICAL DATA				
Connector type MC4 (or Amphenol H4 UTX with additional Q-DCC-5 adapter)  Dimensions (HxWxD) 212 mm x 175 mm x 30.2 mm (without bracket)  Weight 1.08 kg  Cooling Natural convection - No fans  Approved for wet locations Yes  Pollution degree PD3  Enclosure Class II double-insulated, corrosion resistant polymeric enclosure  Environmental category / UV exposure rating Outdoor - IP67  FEATURES  Communication Power Line Communication (PLC)  Monitoring Enlighten Manager and MyEnlighten monitoring options Compatible with Enphase Envoy-S  Compliance AS 4777.2, RCM, IEC/EN 61000-6-3,	Ambient temperature range	-40°C to +65°C -40°C to +65°C -40°C to +60°C			
Dimensions (HxWxD)  212 mm x 175 mm x 30.2 mm (without bracket)  Weight  1.08 kg  Cooling  Natural convection - No fans  Approved for wet locations  Pollution degree  PD3  Enclosure  Class II double-insulated, corrosion resistant polymeric enclosure  Environmental category / UV exposure rating  Outdoor - IP67  FEATURES  Communication  Power Line Communication (PLC)  Monitoring  Enlighten Manager and MyEnlighten monitoring options Compatible with Enphase Envoy-S  Compliance  AS 4777.2, RCM, IEC/EN 61000-6-3,	Relative humidity range	4% to 100% (condensing)			
Weight 1.08 kg Cooling Natural convection - No fans  Approved for wet locations Yes Pollution degree PD3 Enclosure Class II double-insulated, corrosion resistant polymeric enclosure Environmental category / UV exposure rating Outdoor - IP67  FEATURES  Communication Power Line Communication (PLC) Monitoring Enlighten Manager and MyEnlighten monitoring options Compatible with Enphase Envoy-S  Compliance AS 4777.2, RCM, IEC/EN 61000-6-3,	Connector type	MC4 (or Amphenol H4 UTX with additional Q-DCC-5 adapter)			
Cooling Natural convection - No fans  Approved for wet locations Yes  Pollution degree PD3  Enclosure Class II double-insulated, corrosion resistant polymeric enclosure  Environmental category / UV exposure rating Outdoor - IP67  FEATURES  Communication Power Line Communication (PLC)  Monitoring Enlighten Manager and MyEnlighten monitoring options Compatible with Enphase Envoy-S  Compliance AS 4777.2, RCM, IEC/EN 61000-6-3,	Dimensions (HxWxD)	212 mm x 175 mm x 30.2 mm (without bracket)			
Approved for wet locations Pollution degree PD3 Enclosure Class II double-insulated, corrosion resistant polymeric enclosure Environmental category / UV exposure rating Outdoor - IP67  FEATURES Communication Power Line Communication (PLC) Monitoring Enlighten Manager and MyEnlighten monitoring options Compatible with Enphase Envoy-S Compliance AS 4777.2, RCM, IEC/EN 61000-6-3,	Weight	1.08 kg			
Pollution degree PD3 Enclosure Class II double-insulated, corrosion resistant polymeric enclosure Environmental category / UV exposure rating Outdoor - IP67  FEATURES  Communication Power Line Communication (PLC) Monitoring Enlighten Manager and MyEnlighten monitoring options Compatible with Enphase Envoy-S  Compliance AS 4777.2, RCM, IEC/EN 61000-6-3,	Cooling	Natural convection - No fans			
Enclosure Class II double-insulated, corrosion resistant polymeric enclosure  Environmental category / UV exposure rating Outdoor - IP67  FEATURES  Communication Power Line Communication (PLC)  Monitoring Enlighten Manager and MyEnlighten monitoring options Compatible with Enphase Envoy-S  Compliance AS 4777.2, RCM, IEC/EN 61000-6-3,	Approved for wet locations	Yes			
Environmental category / UV exposure rating Outdoor - IP67  FEATURES  Communication Power Line Communication (PLC)  Monitoring Enlighten Manager and MyEnlighten monitoring options Compatible with Enphase Envoy-S  Compliance AS 4777.2, RCM, IEC/EN 61000-6-3,	Pollution degree	PD3			
FEATURES  Communication Power Line Communication (PLC)  Monitoring Enlighten Manager and MyEnlighten monitoring options Compatible with Enphase Envoy-S  Compliance AS 4777.2, RCM, IEC/EN 61000-6-3,	Enclosure	Class II double-insulated, corrosion resistant polymeric enclosure			
Communication Power Line Communication (PLC)  Monitoring Enlighten Manager and MyEnlighten monitoring options Compatible with Enphase Envoy-S  Compliance AS 4777.2, RCM, IEC/EN 61000-6-3,	Environmental category / UV exposure rating	Outdoor - IP67			
Monitoring Enlighten Manager and MyEnlighten monitoring options Compatible with Enphase Envoy-S Compliance AS 4777.2, RCM, IEC/EN 61000-6-3,	FEATURES				
Compatible with Enphase Envoy-S Compliance AS 4777.2, RCM, IEC/EN 61000-6-3,	Communication	Power Line Communication (PLC)			
	Monitoring				
	Compliance				

<sup>1.</sup> No enforced DC/AC ratio. See the compatibility calculator at <a href="https://enphase.com/en-us/support/module-compatibility">https://enphase.com/en-us/support/module-compatibility</a>.



<sup>2.</sup> Nominal voltage range can be extended beyond nominal if required by the utility.

<sup>3.</sup> Limits may vary. Refer to local requirements to define the number of microinverters per branch in your area.