

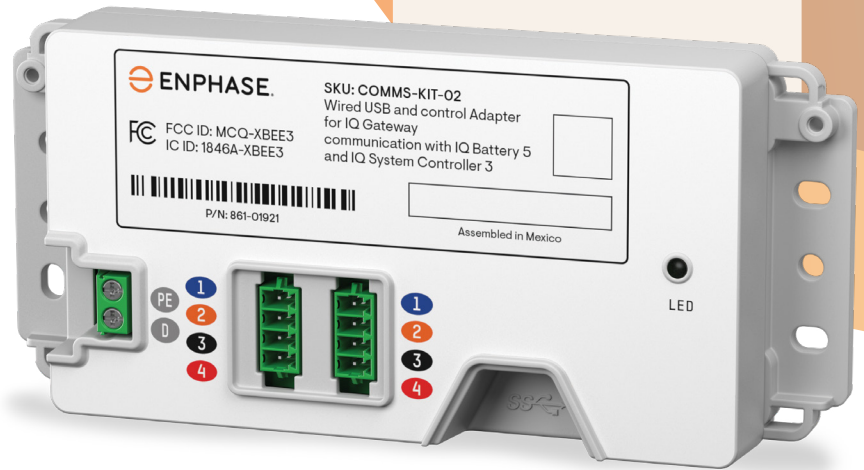
More ways to install Enphase Energy Systems

Enphase IQ Batteries can be installed in a range of configurations to suit your customers' needs:

- For grid-tied applications, the system requires an IQ Gateway and Communications Kit 2.
- For backup configurations, the system requires an IQ System Controller.

Introducing the Communications Kit 2

Enables the IQ Gateway Metered to communicate with the IQ Battery 5P via wired control communication in grid-tied mode.



NEW

Grid-tied solution

Designed for homeowners who have access to a reliable grid and want to maximise solar savings.

Key components:

IQ Microinverters, IQ Battery 5P, IQ Gateway, IQ Relay, Communications Kit 2

Grid support:

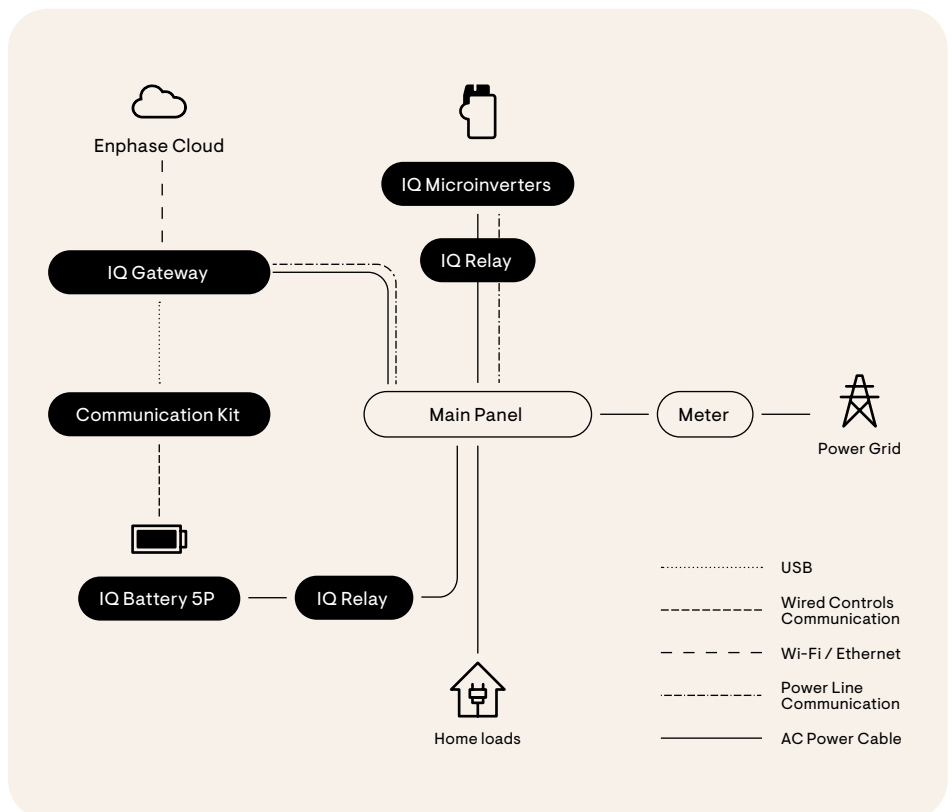
Single and three-phase, without backup

Operation modes:

Savings and Self-Consumption

Note:

Grid-tied solution also supports third-party PV inverters



Whole home backup for single-phase home

Designed for homeowners who want full home backup power during a grid outage.

Key components:

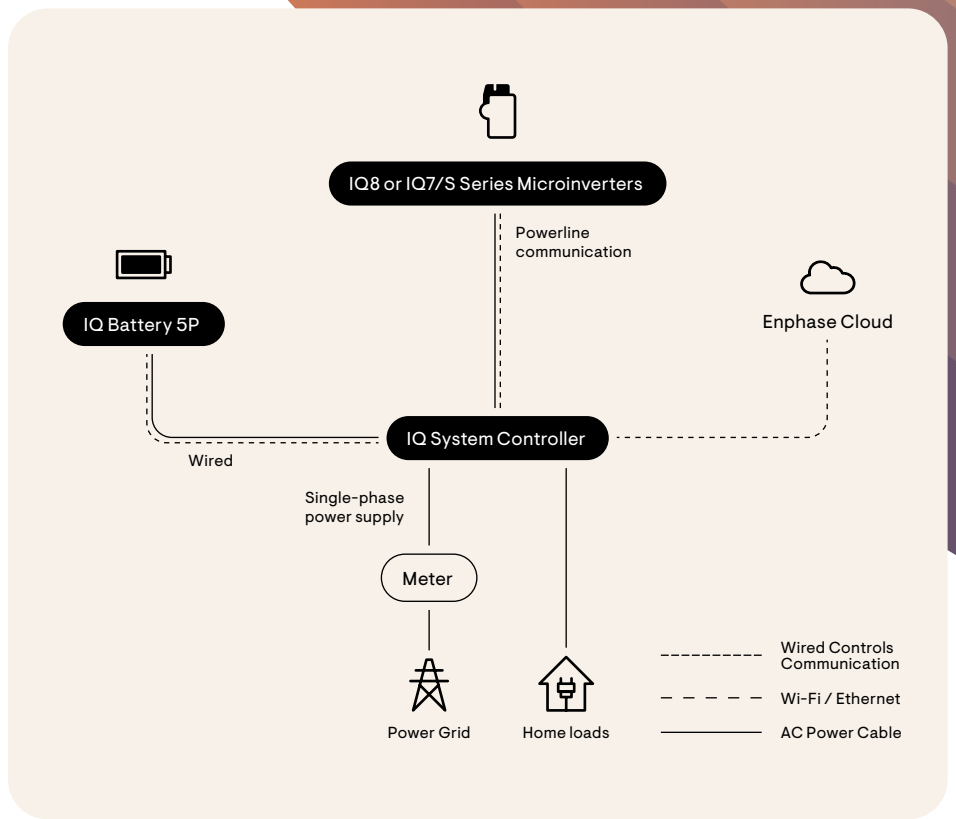
IQ Microinverters, IQ Battery 5P, IQ System Controller 3 INT

Grid support:

Single-phase whole home backup

Operation modes:

Full Backup, Savings, and Self-Consumption



Partial home backup for single-phase home

Designed for homeowners who want to power essential appliances during a grid outage.

Key components:

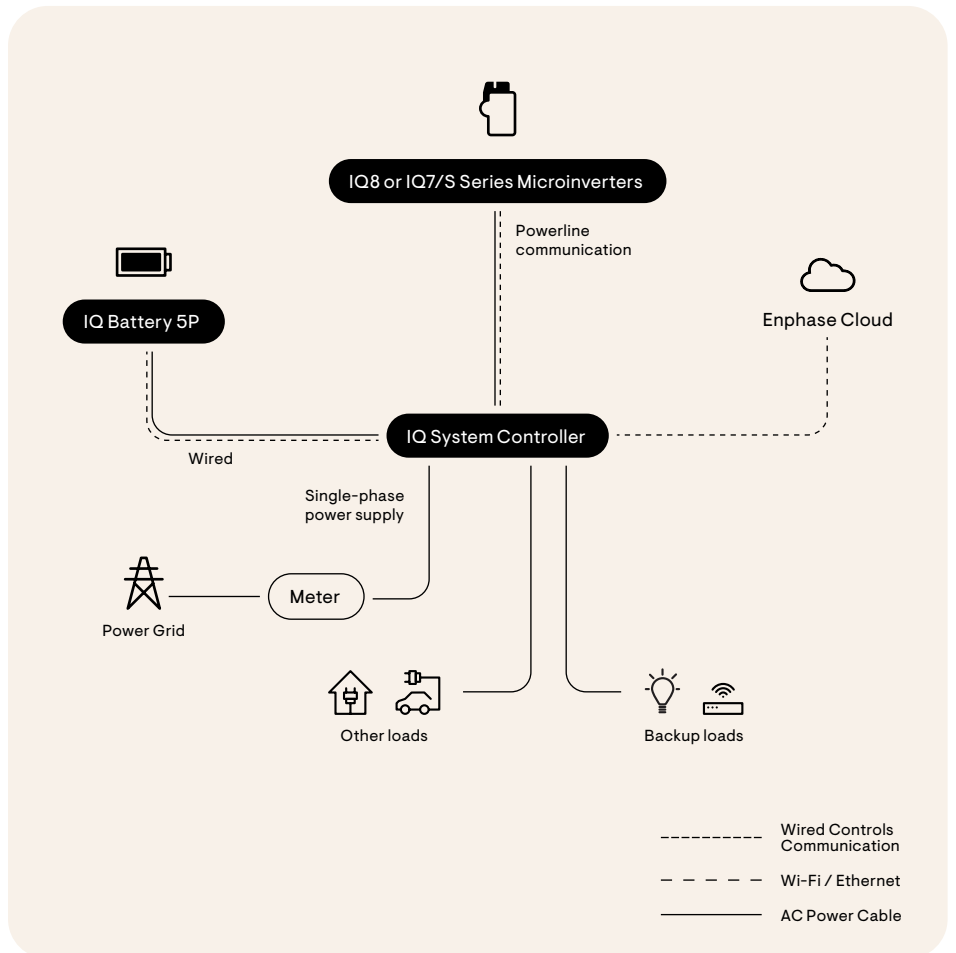
IQ Microinverters, IQ Battery 5P, IQ System Controller 3 INT

Grid support:

Single-phase essential loads backup

Operation modes:

Full Backup, Savings, and Self-Consumption



Single-phase backup for three-phase home

Designed for homeowners who want to power essential appliances during a grid outage.

Key components:

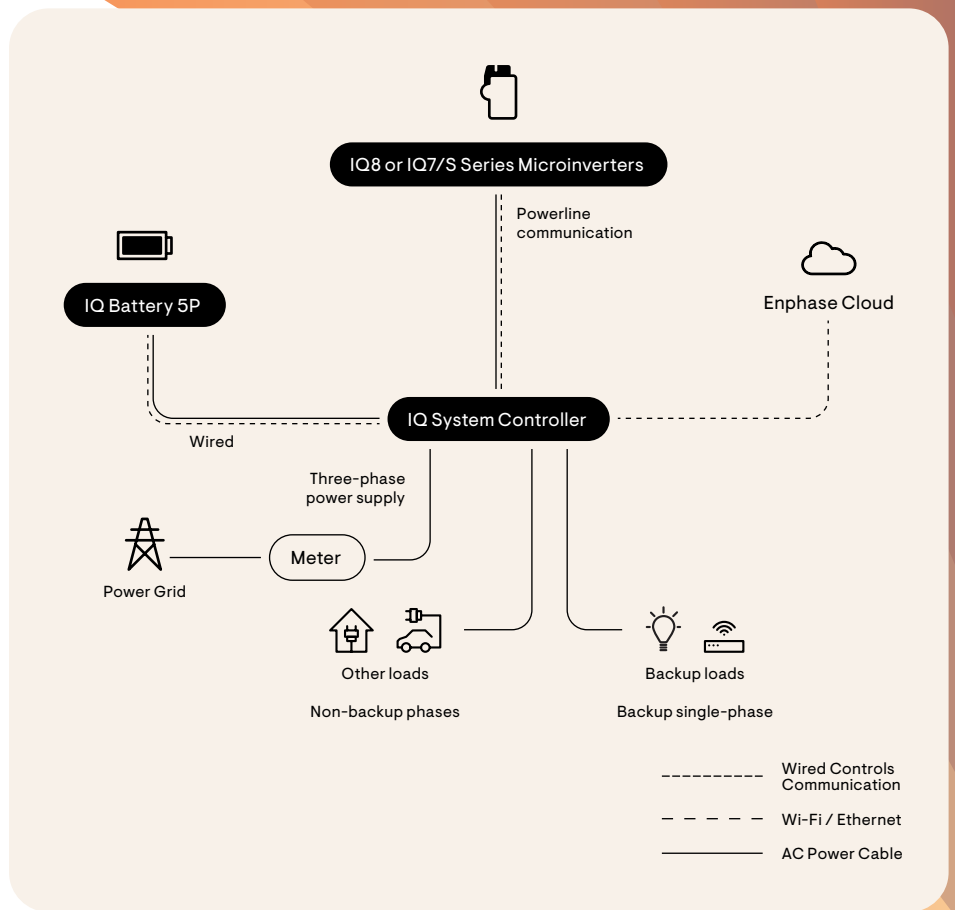
IQ Microinverters, IQ Battery 5P, IQ System Controller 3 INT

Grid support:

Three-phase with backup on phase 1

Operation modes:

Full Backup, Savings, and Self-Consumption



Supported configurations

Solar Only

Produce solar energy only when the grid is up

Solar + Battery without backup

Produce and save solar energy only when the grid is up

Solar + Battery with backup

Produce and save solar energy even when the grid is down

SUPPORTED CONFIGURATIONS			
1-phase grid supply	Yes	Yes	Yes
2-phase grid supply	Yes	Yes (AUS)	Yes (AUS) ¹
3-phase grid supply	Yes	No (NZ) ²	No (NZ) ²
System components	Enphase App IQ8 Microinverters IQ7 Microinverters S Series Microinverters IQ Gateway IQ Relay Current Transformers	Enphase App IQ8 Microinverters IQ7 Microinverters S Series Microinverters IQ Gateway IQ Relay Communications Kit 2 IQ Battery 5P Current Transformers	Enphase App IQ8 Microinverters IQ7 Microinverters S Series Microinverters IQ System Controller IQ Battery 5P

Notes:

1. In Australia, IQ Battery 5P with IQ System Controller is only supported on L1 phase with 3-phase grid supply. 2. In New Zealand, IQ Battery 5P with or without IQ System Controller is only supported with single-phase grid supply. 3. For clarifications or design-related questions, please contact: DRS_AU@enphaseenergy.com

Compatibility matrix

PRODUCT	IQ BATTERY 5P - GRID-TIED WITHOUT BACKUP ¹	IQ BATTERY 5P WITH BACKUP
IQ7 Series / S Series	Yes	Yes ⁵
IQ8 Series	Yes	Yes
M Series	No ³	No ³
String Inverter	Yes	Yes ⁶
String Inverter + S Series / IQ7 Series	Yes ²	Yes ^{2,6}
String Inverter + IQ8 Series	Yes ²	Yes ^{2,6}
IQ7 Series / S Series + IQ8 Series	No ⁴	No ^{4,5}
IQ7 Series / S Series + M Series	No ³	No ^{3,5}
AC Battery	No	No

Notes:

1. IQ Battery 5P must be installed on an Envoy-S Metered / IQ Gateway Metered and is not compatible with Envoy-S Standard or Envoy-R. 2. PLC filter is required for third-party string inverters. 3. M Series Microinverters should be on a separate IQ Gateway and not connected to the IQ Batteries. IQ7 / S Series Microinverters and the IQ Battery 5P can be on one common IQ Gateway. 4. IQ Battery 5P can be installed on either the IQ Gateway with IQ7 / S Series or the IQ Gateway with IQ8 Series. However, two different IQ Gateways are needed, and a PLC filter is required between the IQ Gateways. 5. IQ7 Series / S Series - total PV rated power (kVA) exceeding 150% of total battery rated power (kVA) needs to be put on PV shedding contactors when in backup and connected to IQ System Controller PV input. 6. String inverter operates when on-grid only. Need to enable PV shedding via external contactor when in backup. 7. For clarifications or design-related questions, please contact: DRS_AU@enphaseenergy.com

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