

GET SMART
GET SOLAHART



MAKE YOUR HOME ENERGY SYSTEM EVEN SMARTER

Introducing Enphase Microinverters and Home Batteries

 **Solahart**
ENERGY *Free* FROM THE SUN®

ENPHASE IQ MICROINVERTERS

Get the most out of every solar panel

Traditional solar power systems have panels linked together and connected to a single inverter. If one panel slips into the shade, is covered with debris, or experiences a glitch, it impacts the performance of the other panels. However, there is a smart new way to get the most out of your solar panels. The revolutionary new Enphase IQ Series features independently functioning microinverters under every solar panel, so if one has a problem, the others can maintain peak solar production.

Enphase Microinverters offer greater flexibility, allowing installation across multiple roof areas and orientations to capture more sunlight. This means system expansion options are only limited by the amount of available roof space.

For even greater savings, Enphase Microinverters also start working earlier in the day and generate solar power later into the evening while boost technology provides solar energy in low light conditions.



ENPHASE IQ HOME BATTERIES

Bigger output. Smaller package

The new Enphase IQ Battery offers more power per kWh than batteries twice its size. With 7.68kW of peak power and 3.84kW of continuous power per 5kWh unit, it's the smart way to run power-hungry appliances like heaters, air conditioners, and pool pumps.

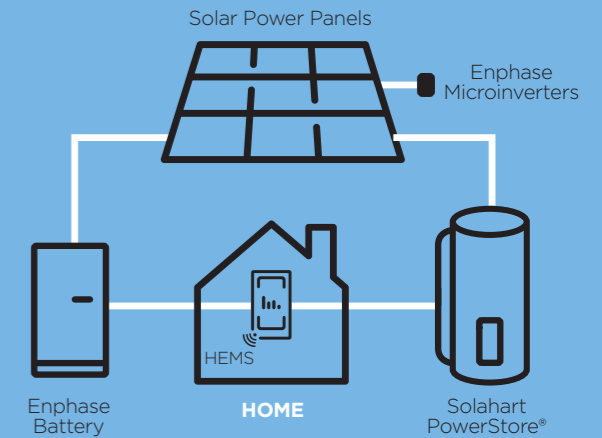
The IQ Battery combines seamlessly with Enphase IQ Microinverters to provide all the power you need to soak up more sun, store more energy, and save more money. With a 15-year limited warranty, you can relax knowing you'll be saving money and contributing to a clean energy future for many years to come.



SOLAHART SOLAR STORAGE PACKAGES

Over 3 million Australian homes are now fitted with rooftop solar panels. However, many homeowners are not harnessing the full potential of their solar power systems.

Rather than sending excess solar energy back to the grid for minimal financial return, it makes sense to add an Enphase IQ Home Battery and a Solahart PowerStore® Solar Smart Electric Water Heater to your solar power system and store your unused energy for when you need it.

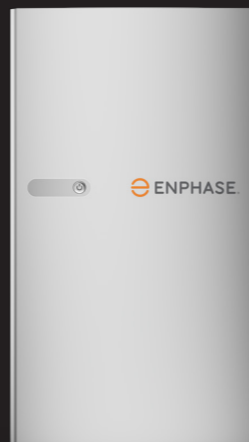


A TOTAL ENERGY SOLUTION FOR YOUR HOME

Home Batteries

An Enphase IQ Battery allows you to maximise the use of your solar power and minimise your energy bills by storing excess electricity produced during the day for use:

- at night
- on low sunlight days
- when utility rates are more expensive
- during blackouts.



Solahart PowerStore®

Solahart PowerStore® is Australia's first solar-smart electric water heater. It captures the excess energy from your rooftop solar panels and uses it to heat your water gradually, for use at a later time.

PowerStore is specially designed to intelligently interact with your solar system and heat water in the most efficient way possible. It's another smart and affordable form of energy storage.



Solahart Energy Management System

A Solahart Home Energy Management System brings your connected appliances and energy-generating devices together under one monitoring and control platform.

Use the Solahart atHome Web App to easily monitor your system's daily energy production and analyse its performance anywhere, anytime.





ENPHASE HOME BATTERY

TECHNICAL DATA

Model	IQBATT-5P-1P-ROW
Dimensions (H x W x D)	980 mm × 550 mm × 188 mm
Lifting weight / Total installed weight	66.3 kg / 78.9 kg
Enclosure	Outdoor-IP55
IQ8D-BAT Microinverter enclosure	Outdoor-IP67
Cooling	Natural convection
Altitude	Up to 2,000 m
Mounting	Wall-mount or pedestal-mount (sold separately)
Battery	
Usable capacity ⁽³⁾	5.0 kWh
DC round-trip efficiency	96%
Nominal DC voltage	76.8 V
Ambient operating temp. range (charging)	-20°C to 50°C non-condensing
Ambient operating temp. range (discharging)	-20°C to 55°C non-condensing
Optimum operating temp. range	0°C to 30°C
Chemistry	Lithium iron phosphate (LFP)
Output (AC) @230 VAC⁽¹⁾	
Rated output apparent power	3.84 kVA
Peak output power	7.68 kVA (3 seconds), 6.14 kVA (10 seconds)
Nominal voltage/range	230 VAC/211-264 VAC
Nominal frequency/range	50 Hz/47-53 Hz
Rated output current	16.7 A
Peak output current	33.4 A (3 seconds), 26.7 A (10 seconds)
Power factor (grid-tied)	0.8 leading / 0.8 lagging
Power factor (off-grid)	1.0 leading / 1.0 lagging
Maximum short-circuit current	32 A _{rms} 3 cycles
Peak short-circuit current	488 A _{rms} for 12 μs
Maximum output overcurrent protection	20 A per unit
Inverter topology	Isolated (HF transformer)
Interconnection	Single-phase
Protection class	I
Overvoltage category	III
AC round-trip efficiency ⁽²⁾	90%
Warranty	
Limited warranty	>60% capacity, up to 15 years or 6,000 cycles ⁽⁴⁾
Features and Compliance	
Compatibility	Compatible with IQ Series and S Series Microinverters. The IQ System Controller 3 INT is required for gridtied and backup operation.
Communication	Wired control communication
Services	Backup, Self-Consumption, and TOU
Monitoring	Enphase Installer Portal and Enphase App monitoring options; API integration
Compliance	Performance: AS/NZS 4777.2:2020 + A1 Safety: AS IEC 62040.1, EN IEC 62109-1, EN IEC 62109-2, AS IEC 62619, UN 38.3 EMC: EN 50065-2-2, IEC 61000-3-2, IEC 61000-3-3, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC61000-4-5, IEC 61000-4-11, IEC 61000-6-2

(1) Supported in both grid-connected and backup/off-grid operations. (2) AC to the battery to AC at 50% power rating at 25°C. (3) Usable capacity is the maximum kWh of discharge capacity from the battery across all system backup/off-grid modes. Reserved capacity is the partial battery capacity reserved for off-grid usage, and is not available while the system is grid-connected. It is a user-settable value and can be set via the Enphase App. Very low state-of-charge (VLS) is the battery shutdown level or the capacity at which the battery stops operating. It is a user-settable value that can be set via the capacity of the battery below the VLS level is used to automatically restart during daylight hours to recharge the batteries with solar power. (4) Whichever occurs first. Restrictions apply. Specifications and designs included in this data sheet are subject to change without notice.

Solahart Industries Pty Ltd (Solahart) operates a national network of Dealers through which independent companies operate dealerships in designated geographic areas. To find your local Solahart Dealer, please visit solahart.com.au. © Solahart (2024). Solahart, the Solahart logo, and Solahart PowerStore are registered trademarks of Solahart.

Book a free on-site solar assessment

Call 1300 769 475 or visit solahart.com.au

