



**GET SMART  
GET SOLAHART**



## GOODWE LYNX HOME BATTERY TECHNICAL DATA

Model	LX U5.4-L					
	1	2	3	4	5	6
Number of battery modules						
DC rated energy <sup>(1)</sup>	5.4 kWh	10.8 kWh	16.2 kWh	21.6 kWh	27 kWh	32.4 kWh
DC usable energy <sup>(2)</sup>	4.8 kWh	9.6 kWh	14.4 kWh	19.2 kWh	24 kWh	28.8 kWh
Cell type	LFP (LiFePO4)					
Cell configuration	16S1P	16S2P	16S3P	16S4P	16S5P	16S6P
Rated voltage	51.2 V					
Operating voltage range	48 - 57.6 V					
<b>General Data</b>						
Part Number	BAU5400-01-00P					
Weight	57 kg	114 kg	171 kg	228 kg	285 kg	342 kg
Dimensions ( W x D x H)	505 x 175 x 570 mm (LX U5.4L)					
Maximum discharge current <sup>(3)</sup>	50 A			100 A		
Maximum discharge power <sup>(3)</sup>	2.88 kW			5.76 kW		
Communication	CAN					
Operating temperature	Charge: 0 < T < 50°C / Discharge: -10 < T < 50°C					
Storage temperature	-20 - 40°C (≤ one month) / 0 - 35°C (≤ one year)					
Humidity	≤ 95%					
Operating altitude	≤ 2000 m					
Protection degree	IP 65 (Outdoor / Indoor)					
Installation location	Wall-mounted / Ground-mounted					
<b>Certifications &amp; Standards</b>						
Safety	IEC62619 / CEC					
EMC	CE / RCM					
Transportation	UN38.3					
<b>Warranty</b>						
Solahart Warranty <sup>(4)</sup>	10 Years (Product warranty) / 10 Years (Performance warranty)					

Specifications and designs included in this data sheet are subject to change without notice.

• The GoodWe Lynx battery is a DC battery, designed for use with the following GoodWe inverters: GW5048D-ES, GW3048-EM and GW5000S-BP (perfect for the retrofit market).

• Multiple batteries can be connected in parallel and 1-6 batteries can be installed per inverter.

<sup>(1)</sup> Rated Energy: Test conditions, cell voltage 2.5 - 3.65V, 0.5C charge and discharge at +25 ± 3°C.

<sup>(2)</sup> Usable Energy: Test conditions, 90% DOD, 0.5C charge and discharge at +25 ± 3°C.

<sup>(3)</sup> Max. continuous discharge current/power: Max. continuous charge/discharge and power derating will occur related to Temperature and SOC.

<sup>(4)</sup> For full details see Solahart Owner's Guide. Conditions apply.

Book a free on-site solar assessment  
Call 1300 769 475 or visit [solahart.com.au](http://solahart.com.au)



**SOAK UP MORE SUN  
STORE MORE ENERGY  
SAVE MORE MONEY**

Solahart's smart new home energy storage packages.





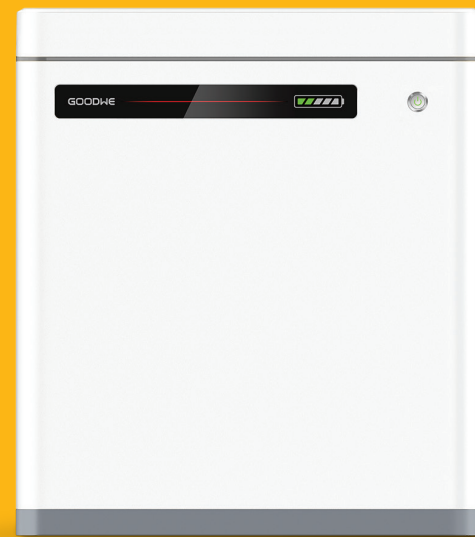
# SMART NEW BATTERY TECHNOLOGY

The GoodWe Lynx Home U Series battery is designed with superior performance, flexibility and safety in mind.

This world class lithium-ion battery can recharge using electricity generated from your solar panels or the grid when utility rates are low. It then sends power to your home in the evening, when the sun is not shining, or when utility rates are higher. The battery also serves as a backup in the event of a blackout.

The GoodWe Lynx Home U Series features a modular design that's easy to install and easy to scale-up as your needs change. Up to six battery packs can be connected in parallel and operated individually, ensuring reliability even if one of the batteries malfunctions.

GoodWe Lynx Home U Series



## How you benefit:

### High Efficiency

Store more of your solar energy for self-consumption and reduce your energy costs.

### Modular Design

Scalable battery module design allows you to choose the most appropriate system for your household and then expand your storage capacity as your needs change.

### Safety and Reliability

Extensive life-testing of the Lithium Iron Phosphate (LFP) battery chemistry ensures reliability, energy retention and superior safety levels.

### Solahart Warranty

Enjoy a 10-year product warranty and a 10-year performance warranty for extra peace of mind.

# SOLAHART SOLAR STORAGE PACKAGES

Australian households and businesses are increasingly embracing solar technology, with more than 3 million homes fitted with rooftop solar panels. However, many homeowners are not harnessing the full potential of their solar power systems.

A large proportion of energy is generated when it's not needed in the middle of the day. In this case, the excess energy is sent back to the grid for minimal financial return.

Connecting a home battery and a Solahart PowerStore® solar-smart electric water heater to your solar power system allows you to store your unused energy so you can use it when you need it (at night, on low-sunlight days, when utility rates are more expensive, or during blackouts).

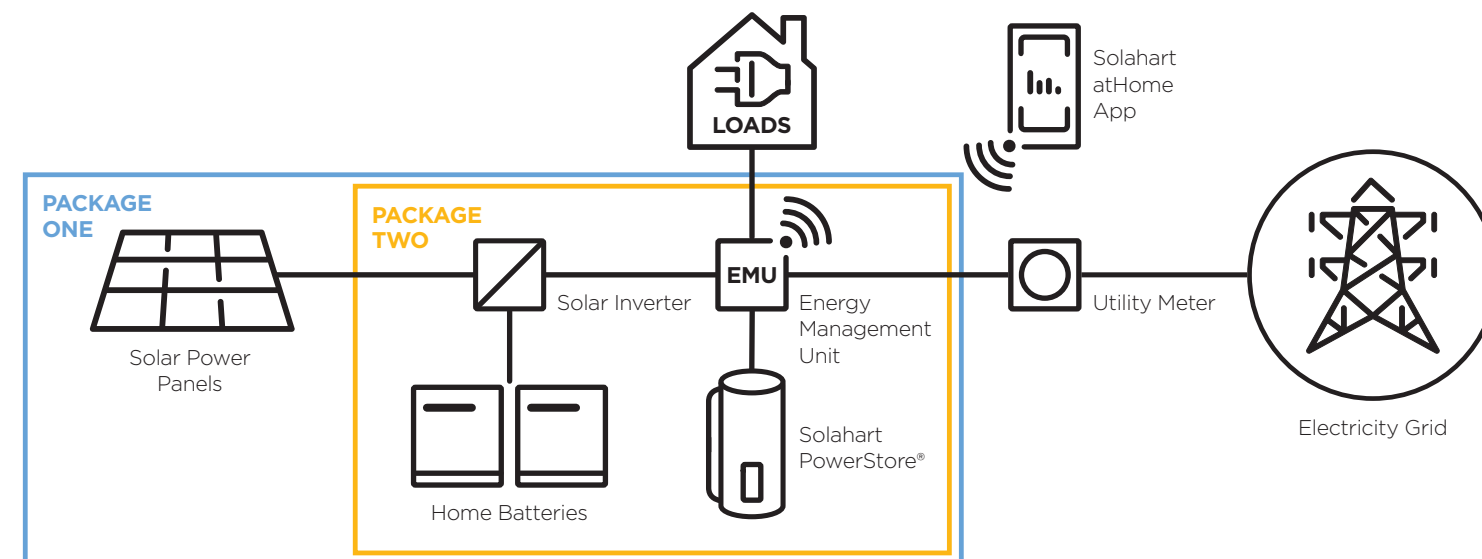
Adding a Solahart Energy Management Unit helps you more actively manage how you consume energy throughout your home.

## PACKAGE ONE: Solahart Total Solar Energy Package

Solahart can offer you a total integrated energy solution including world-leading solar panels and inverters, alongside a full range of home energy storage and management products.

## PACKAGE TWO: Solahart Retro-Fit Solar Energy Package

If you already have solar power installed, Solahart can retro-fit your existing system to add battery storage, a Solahart PowerStore® and an Energy Management Unit to maximise your solar investment.



A TOTAL ENERGY SOLUTION FOR YOUR HOME

## Home Batteries

Home batteries allow 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 Unit

The Solahart Energy Management Unit (EMU) is an intelligent hub that monitors your energy usage and solar energy production. Working together with the Solahart atHome App, it shows the household appliances and habits that use most electricity and when you are generating the most solar energy.

Using this data, it helps you shift loads away from expensive periods and maximise the use of your solar energy to further reduce your energy costs.

