



Click your state to learn about the benefits of going solar!



Or learn about solar in your city:

- [Adelaide](#) | [Brisbane](#)
- [Canberra](#) | [Darwin](#)
- [Hobart](#) | [Melbourne](#)
- [Perth](#) | [Sydney](#)

SOLAR ROI & PAYBACK

[Check out our Solar Power System ROI Calculator](#)



BATTERY STORAGE

[Solar + Battery Storage Overview](#)



[Solar Plus Battery](#)

VSUN to launch vanadium flow battery for homes

by SOPHIE on AUGUST 2, 2017
in SOLAR, CENTRE NEWS & ENERGY STORAGE



ASX-listed mining group Australian Vanadium has firmed up [plans to target Australia's energy storage market](#) via its vanadium redox flow battery offshoot, VSUN Energy, and catch the wave of home solar and storage.



In a media release, the company said it was looking to offer home battery systems – most likely starting with a base model of 15kWh in size – to the Australian market, and was “very well advanced” in negotiations with a number of international manufacturers.

The company also said it had ended its exclusive dealership agreement with German vanadium flow battery maker, Gildemeister, on the basis it was too restrictive to VSUN Energy's growth plans. It will, however, continue to market the company's CellCube battery stacks, on a non-exclusive basis.

VSUN is also working on meeting certain technical “tick the box” inverter compatibility requirements, necessary to the introduction of domestic-scale VRB into the the Australian market. In an interview with *RenewEconomy*, Australian Vanadium managing director



Vincent Algar said he was excited about the technology's prospects in Australia, despite differences in cost, and a residential market already crowded with competitive lithium-ion options.

Currently, a 15kWh VRB system sits somewhere at the \$25,000 mark, he said, but – as has happened with lithium-ion – VRB is expected to start to come down the cost curve as the money and focus of the clean tech sector turns more and more towards innovative stationary storage solutions.

“What we are absolutely trying to do is bring down the price, to compare with lithium-ion,” Algar said. “We know that the pricing will be slightly higher initially, but we're comfortable,” he said. “It's a bit of a trade off... between much longer life battery, much lower degradation cycle.

“High cycle, multi-hour energy storage systems at the domestic and multi-residential level will have a part to play in the market.”

Subscribe to our mailing list

Connect with us:



C a t e g o r i e s

Solar and Renewable Energy Policy

Federal Government solar incentives

Renewable Energy Target

State Government solar feed-in tariffs

ACT

NSW

NT

QLD

SA

TAS

VIC

WA

Installation advice

Historic Solar PV Power System Prices

Commercial solar system prices

Residential solar system prices

Solar system sizes

1kW

1.5kW

2kW

3kW

4kW

5kW

7kW

8kW

9kw

10kW

100kW

Solar leasing/Free solar panel deals

What are the right solar

VSUN says the base model 5kW/15kWh unit the company is considering would supply 5kW of power, with 15kWh of energy storage, providing 3 hours of power at constant load of 5kW. "In typical Australian residential environments, this system will provide 4-8 hours of energy," the company says.

[Compare Solar & Battery Quotes](#)



Related Posts

- [Time of use vs flat rate electricity tariffs with solar & batteries](#) (30 Aug, 2017)
- [Retrofitting battery storage in Brisbane: Some example case studies](#) (29 Aug, 2017)
- [How SunTenants bringing solar power to the roofless](#) (29 Aug, 2017)

Tagged as: [batteries](#), [battery storage](#), [cellcube](#), [gildemeister](#), [vsun](#)

Leave a Comment

Name *

E-mail *

Website

[PREV Sunwiz survey reveals ranking of battery manufacturers by quality & brand recognition](#)

[NEXT How SunTenants bringing solar power to the roofless](#)

[PV cells for you?](#)

[Positioning solar PV panels](#)

[Off-grid solar power, Stand-alone solar power, Remote solar power](#)

[Building-Integrated PV \(BIPV\)](#)

[New technologies](#)

[Saving energy](#)

[Solar-friendly retail electricity plan comparisons](#)

[Commercial solar power](#)

[Commercial battery storage](#)

[Solar Farms](#)

[Solar System Products](#)

[Solar Panels/Modules](#)

[Inverters](#)

[Microinverters & Power optimisers](#)

[Batteries & Energy Storage](#)

[Battery storage examples & case studies](#)

[Brisbane & Queensland](#)

[Balance of System](#)

[Solar mounting systems](#)

[Solar tracking systems](#)

[Energy Management Systems](#)

[Hot water diverters](#)

[Solar system monitoring](#)

[Solar Choice News](#)

[Solar Choice Company News](#)

[Useful solar tools and resources](#)

[Solar Flagship Projects](#)

[Solar Communities](#)

[Book reviews](#)

[Living with solar & batteries](#)

[James' Solartopia Project](#)

[Solar industry press releases & announcements](#)

Solar Choice News

[Recent news](#)

[News archive](#)

[Contributors](#)

Request Quote Comparison

Compare up to 7 installers covering your local area in 30 seconds for FREE

Take full control over which 3 installers have contact rights

Residential

Commercial

Select Quotation Type *

Solar Energy

Battery Storage
Only

First Name *

Surname *

Email Address *

Confirm Email

Phone Number (Mobile Preferred) *

Address *

Suburb *

State or territory *

Postcode *

Which subsidy might you be eligible for? *

Property type *

Number of levels *

Roof material (tiles, slate etc.) *

Size of installation approx *

Size of installation approx *

What is your preferred time for installation? *

Any special preferences for later discussion?

- I'm interested in a finance and/or lease option;
- I'd like a battery storage option to go with my solar;
- I'd prefer micro-inverters; and/or
- I prefer to pay a bit more for premium panels

Please list any installers to whom you've previously provided your contact details
[\(Why?\)](#)

Security Question 5 + 2 = ? *

Comments

I agree to inform Solar Choice of the name of the installer I eventually select –
[Why?](#)

I'm happy to receive contact from installers on their offerings