





PowCube 4.8



5 kW hybrid inverter
4.8 kWh / 9.6 kWh / 14.4 kWh battery



Use more of the solar

1580 kWh solar energy stored by the battery and used later in evening peak-time



Save more

\$854 saved by using solar power and battery energy instead of purchasing from the electricity retailer



Make a better world

3100 t CO₂ reduced to save the environment

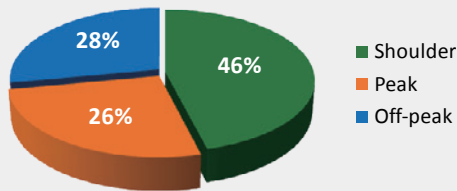
* Annual data based on a case study of a house with family of four on fixed electricity rate, one battery pack. The savings and benefits may vary depending on individuals.



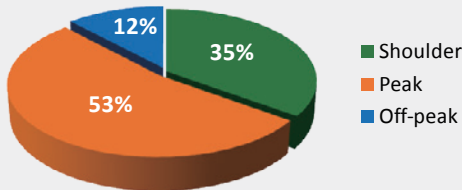


Benefits of PowCube 4.8

Energy consumption



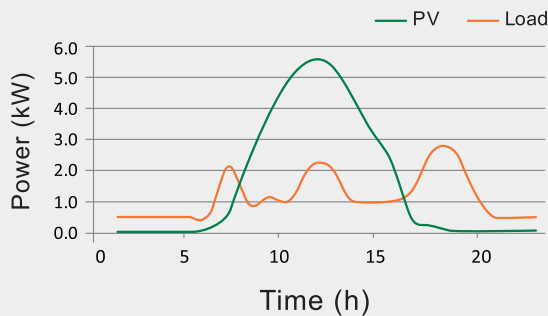
Electricity bill



Premium charged during peak period

The least energy usage during the peak period contributes the most of the electricity bill.

PowCube 4.8 – An ideal choice to **minimise** your peak time electricity bill



Mismatch of PV generation and load consumption

The consumption period does not match the PV output well either with evening peak, high day and evening peak or other energy usage habits in a house.

PowCube 4.8 – An ideal choice to **maximise** your solar efficiency

Sungrow residential energy storage system PowCube 4.8 is an ideal choice to facilitate the self-consumption of PV power by storing the excess power and using later in the evening.

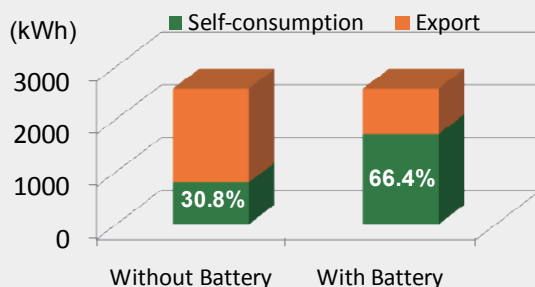
Trial Installation 1

Electricity usage type : Evening peak
Installed Dec 2016 One battery pack

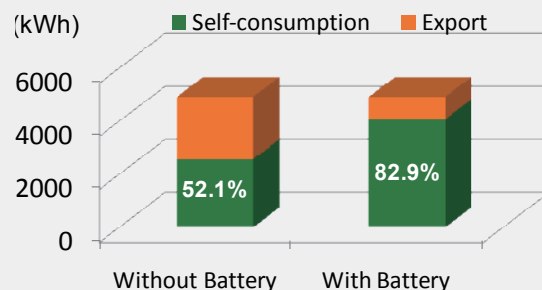
Trial Installation 2

Electricity usage type : High day and evening usage
Installed Jan 2017 Two battery packs

Self-consumption increase 35.6%



Self-consumption increase 30.8%



Technical Specifications



Data

Total energy capacity	4.8 kWh
Battery capacity	94 Ah
Nominal voltage	51.52 V
Battery type	Lithium ion
Voltage range	44.8 V–58.1 V
Max. charge current	47 A
Max. discharge current	80 A
Round-trip efficiency (RTE)	> 95 %
Depth of discharge (DOD)	> 95 %
Cell balance technique	Bi-directional active cell balancing
Cell balance current	5 A
Scalability	Yes, up to 14.4 kWh
Over/under voltage protection	Yes
Over current protection	Yes
Over/under temperature protection	Yes
Short-circuit protection	Yes
DC fuse	Yes
Mounting type	Free-standing / wall-mountable
Weight	48 kg
Dimensions (W x H x D)	510 mm x 565 mm x 190 mm
Communication	CAN
Firmware upgrade	Local and remote
Current consumption in sleep mode	< 30 μ A
Noise	< 30 dB
Ingress protection rating	IP55
Relative humidity range	0–85 %, non-condensing
Operating ambient temperature range	-10°C to 45°C
Storage temperature	-20°C to 50°C
Altitude	< 2000 m
Storage period	Less than 6 months
Cooling strategy	Natural convection
Certification	UN38.3, IEC62619, IEC-61000-6-1/3



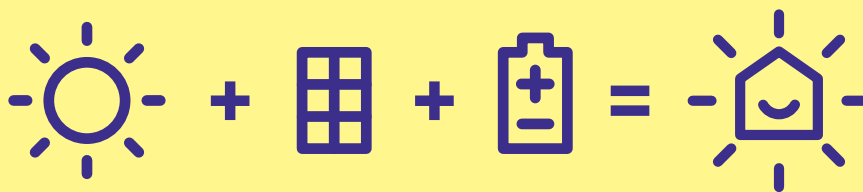


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Complaints & Resolutions

Any concerns, complaints or feedback can be lodged directly to Sunbank Solar to our Customer Care team via e-mail at support@mysunbank.com.au or via mail to Sunbank Solar 1/990 Whitehorse Road, Box Hill, Victoria 3128.

Any lodged or written complaints will be addressed within twenty one (21) days of received documentation.



Add Solar Batteries for a happier home