Solar-Electric Hot Water

Guaranteed 85 °C, On Time, Every Time

GERMAN DESIGN AWARD WINNER 2025

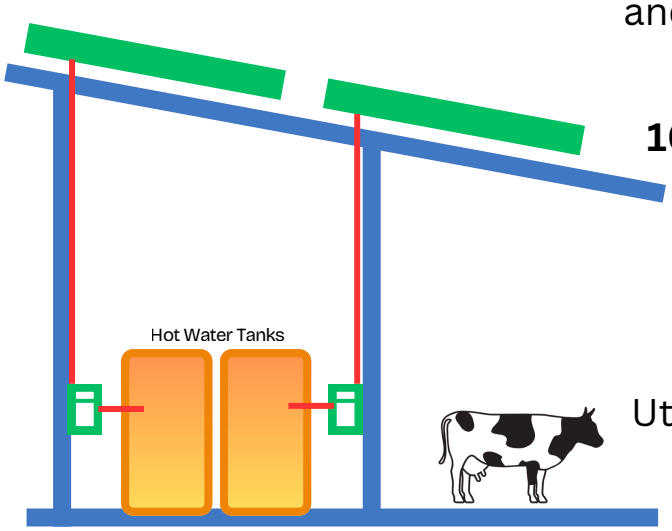
from **$7,995*** (ex)
Fully Installed
*T&Cs Apply

OneEnergy.nz
Affordable Hot Water for all Kiwis

ALLAN'S superheat

Utilise Solar to directly heat your existing Hot Water Cylinders to get the best return with a < 4 year payback

OneEnergy.nz's Solar Electric Hot Water solution will supplement your water heating during the day to **maximise your return on investment** and to **minimise your hot water heating costs**.



100% of the Solar Panel power is directed to heating your Hot Water. Any shortfall is **boosted from the mains** to ensure you have **full hot water for pm milking**.

Utilise your existing hot water cylinders to save on capital outlay - and use your cylinders as giant batteries to store your energy.

Direct Solar-Electric Heating

100% of the electricity from Solar PV Panels is directed to heating your water - this ensures you're not over-investing in Solar.

No Moving Parts, No Pumps, No Batteries

No mechanical parts, no maintenance and plumbing free. It's the ultra-sensible solution.

Guaranteed 85°C, On Time, Every Time

Mains boosted reliability ensures your hot water will be at your target temperature, on time, every time, for plant & vat wash.

Investment Boost Tax Deduction

Immediate 20% Depreciation - plus 16% Year 1 Diminishing Value Depreciation, to accelerate your path to positive cash flow.

Utilise Off-Peak Rates Effectively

Shift your non-critical day time water heating to overnight off-peak electricity rates to further minimise your costs.

Cloud Supervised & Alerts

Remotely manage your hot water, receive under-temperature alerts, and track your savings.

OneEnergy.nz

Affordable Hot Water for all Kiwis

Your Local Supplier

Version January 2026

MYPV
Empowering the Solar Future

SOL•FLARE

0 – 3.6 kW | DC | 0 – 10 | IP54

Utilize solar power directly for heat generation.

The SOL•FLARE is a 3.6 kW DC power manager for photovoltaic heat. The self-sufficient water heating system utilizes every watt from the photovoltaic modules directly. The SOL•THOR linearly controls the connected heating elements from 0 to 3.6 kW to maximize the yield of photovoltaic heat.

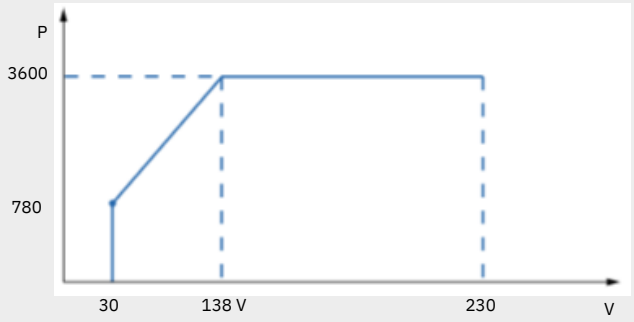
GERMAN DESIGN AWARD WINNER 2025

Exclusive in New Zealand:
One Energy Limited
P O Box 1433
Christchurch Central 8140
GST #: 142-917-408

- Maximum power: 0 – 3.6 kW, linear control
- Utilize 100% solar power
- No grid operator approval required
- Stratification heating possible with 2 heating elements
- Optional hot water backup
- Easy to retrofit into existing systems
- Compatible with conventional electric boilers
- Intuitive operation thanks to the display
- Straightforward installation (outdoor installation possible)
- Cheaper than conventional water heating
- Maintenance-free due to cables instead of pipes
- Communication: LAN + WLAN + RS485

Technical Data

DC Operation

Linear output max.	0 – 3,600 W, two outputs, alternately adjustable max. 3,600 W at 25°C ambient temperature; derating in case of overheating
Input voltage range	30 – 230 V (max. open circuit voltage)
Number of MPP trackers	1
DC inputs	2 parallel, MC4 compatible connectors
Max. input current	26 A, current-limited
Power curve at max. input current as a function of input voltage	

AC Operation (optional for temperature assurance)

Heating power max.	3,600 W
Self-consumption during pure AC operation	approx. 2 W
Grid connection	Single-phase, max. 4 mm², 230 V, 45 – 65 Hz
AC fusing	max. 20 A, tripping characteristic B

General Data

Load connections	Clamp contacts, single-phase, max. 4 mm²
Display	Colour Graphic, Touch Screen 2.83“
Interfaces	Ethernet RJ45, WLAN, RS485; PWM-out 5 – 5.5 V; Two potential-free switching outputs: 4 A (AC or SELV); 3 external temperature sensors: 5 V power output
External temperature sensor	Sensor dimensions: 20 x 5 mm; Cable length: 5m
Protection class	IP54
Dimensions (W x H x D)	248.5 x 167.4 x 116.2 mm (including wall mount)
Weight	2.95 kg (including wall mount)
Operating temperature range	-20 °C to 70 °C
Storage temperature	Vertical, wall-mounted
Warranty	1 year, upgraded to 5 years when registered upon installation
Compliance and Certification	AS/NZS 3820:2009, EN 300328, IEC 61000-6-3 & IEC 61000-6-2