

PIENAAR ENERGY (PTY) LTD

Amber solar inverter



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AMBER FOR BATTERIES SOLAR AND BATTERY GUIDE

The table on the following page represents all of the battery and inverter set ups that we currently know to be controllable by Amber and therefore capable of solar curtailment - either load-following or on/off ...

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Can I charge from my excess solar with Amber for EVs?

How it works: Amber reads solar data directly from your inverter, your EV and your consumption meter. The measurement of all three devices provides information to precisely calculate ...

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An experiment with Amber Electric

In summary, Amber's SmartShift sold power when it was neg FIT and bought power when it wasn't needed. That's a cost I bear which was entirely avoidable. The way to avoid this was to turn ...

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SmartShift Compatibility Checker

This compatibility checker is designed to help you discover which battery and inverter systems are compatible with Amber's SmartShift tech and which are upcoming integrations.

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Solar curtailment to maximise feed-in earnings - Amber Electric

Our Solar Curtailment product, which allows us to direct your inverter to reduce or eliminate excess solar generation from your system during periods when feed-in tariffs are negative, ...

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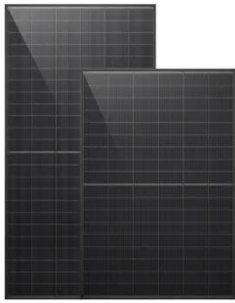
Solar Curtailment - Amber Electric

Solar curtailment is one of these options. It involves Amber limiting the solar energy you produce during periods when FiTs turn negative, to restrict the amount you export at these times.

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Amber Electric Review: My First Six Months



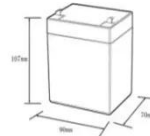

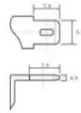
I've had Amber Electric controlling my solar and battery for six months now. Here's how much I saved and the issues I've had along the way.

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Enrolling your FoxESS system with Amber - Amber Electric

Solar curtailment will be automatically configured if your system is DC-coupled. If your system is AC-coupled, then the availability of our automated solar curtailment feature will depend on ...

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12.8V6Ah

- Nominal voltage (V):12.8
- Nominal capacity (ah):6
- Rated energy (Wh):76.8
- Maximum charging voltage (V):14.6
- Maximum charging current (a):6
- Floating charge voltage (V):13.6-13.8
- Maximum continuous discharge current (a):10
- Maximum peak discharge current @10 seconds (a):20
- Maximum load power (W):100
- Discharge cut-off voltage (V):10.8
- Charging temperature (°C):0-+50
- Discharge temperature (°C):-20-+60
- Working humidity: <95% R.H (non condensing)
- Number of cycles (25 °C, 0.5C, 100%doD): >2000
- Cell combination mode: 32700-4s1p
- Terminal specification: T2 (6.3mm)
- Protection grade: IP65
- Overall dimension (mm):90*70*107mm
- Reference weight (kg):0.7
- Certification: un38.3/msds



Which batteries are compatible with SmartShift?

When it comes to taking advantage of Amber for Batteries' battery optimisation and wholesale pricing, ensuring your battery and/or inverter are compatible is key to taking full advantage ...

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Contact Us

For catalog requests, pricing, or partnerships, please visit:
<https://www.pienaarshof.co.za>

