Dynamic Model Standing Offer for Small Inverter Energy Systems (0–30 kVA)

Part of Energy Queensland

Coming Mid-2026: Smarter Solar Connections - the Basic Dynamic MSO

Ergon Energy Network and Energex are introducing a new connection offer option for customers to connect their small inverter energy systems (IES) up to 30 kVA to the electricity network. This new Basic Dynamic Model Standing Offer (MSO), is designed to provide customers with greater flexibility and improved value from their solar and battery investments. A MSO is a standard connection agreement offered by Ergon Energy Network and Energex.

Why are Ergon Energy Network and Energex introducing a Basic Dynamic MSO into their existing Dynamic Connections offering?

While dynamic connections have been available for the past three years as a negotiated offer, the new Basic Dynamic MSO is a new connection offer which delivers shared benefits for customers, communities, and the electricity network. It provides greater flexibility, helps customers get more value from solar and battery investments, and supports a smarter, more sustainable energy future. Note, Basic Dynamic MSO connections are not available for the SWER or isolated networks.

The electricity network is undergoing rapid change. An increasing number of customers are connecting Customer Energy Resources (CER) such as solar, batteries, and electric vehicles to the electricity network. This creates new challenges for electricity networks.

The challenges:

- High peaks in demand in the evening (maximum demand).
- Very low demand during sunny days (minimum demand).
- Rapid swings between these extremes.

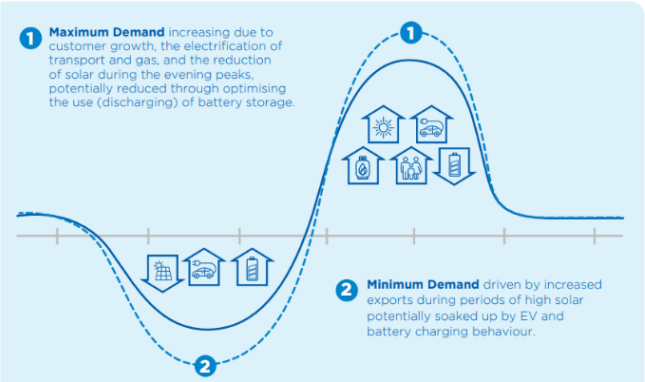

Figure 1 - Maximum and minimum demand

Traditionally, additional electricity infrastructure would be built to manage these challenges. However, this approach would increase the cost of electricity for all customers. Instead, Ergon Energy Network and Energex are focused on enhancing opportunities for demand flexibility to make better use of the existing electricity network.

How do Dynamic Connections help?

Dynamic Connections help by delivering the following benefits:

- Allowing more export when the electricity network can accommodate it (i.e. when there is low or minimum demand).
- Reducing solar exports during periods of high demand to maintain network stability.
- Avoiding or deferring costly network upgrades by making smarter use of existing electricity network infrastructure, helping keep electricity prices more affordable for all customers.

This initiative is part of Ergon Energy Network and Energex's Demand Management program, which focuses on innovative solutions to better manage electricity demand and support customer in the transition to renewable energy. Through collaboration between customers, networks, and technology providers the electricity network can:

- Utilise existing electricity network infrastructure more efficiently.
- Minimise the need for major electricity network upgrades.
- Provide flexibility to respond to short-term or extreme events.

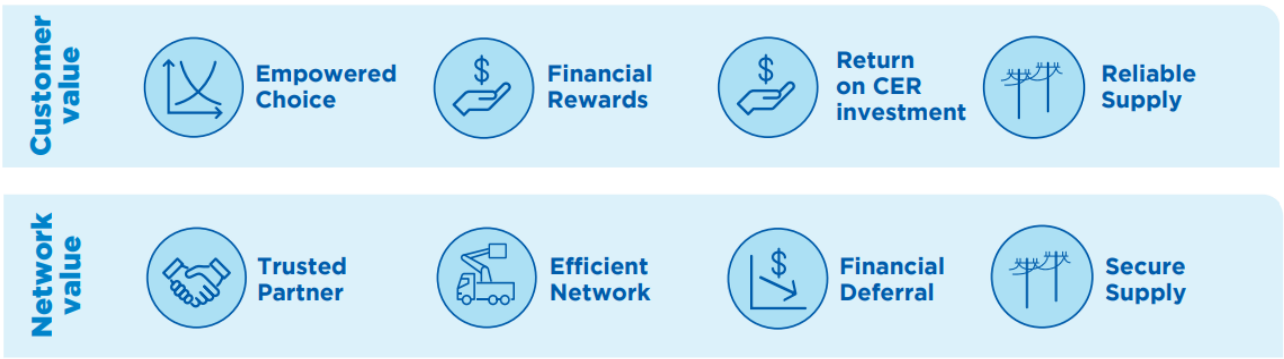

Figure 2 – Shared value provided by dynamic connections

What is a Dynamic Connection?

A Dynamic Connection uses real-time signals to manage energy exports. Instead of fixed export limits, the inverter energy system receives Dynamic Operating Envelopes (DOE) every five minutes via Wi-Fi or ethernet. These signals tell the dynamically connected system how much energy can be exported within that 5 minute envelope, allowing customers to maximise exports when the electricity network has capacity and automatically reduce exports during periods of congestion.

Why does this matter?

- Customers can export more energy when the electricity network has capacity.
- Helps maintain a stable and reliable electricity network.
- Enables customers to maximise the value from their solar and battery system investments.

What's changing

From mid-2026, Ergon Energy Network and Energex are proposing one new connection option for customers who are installing, replacing or upgrading small inverter energy systems (0–30 kVA):

Model Standing Offer	What customers need to know	Technical information for Solar Installers and Electrical Contractors
Basic Dynamic MSO (new)	• No connection application fee. • No network upgrades required. • Premises is directly connected to the electricity network. • System can operate dynamically or has a compliant Home Energy Management System. • Export more energy: variable limit up to 10 kW per phase. • Guaranteed minimum export: 1.5 kW. • Larger systems allowed on single phase connected premises without needing a 3-phase connection upgrade. • Basic Dynamic MSO connections are not available for the SWER or isolated networks. • Import limits apply for batteries and EV chargers.	• Default export limit: 1.5 kW per phase. • Variable export limit: up to 10 kW per phase. • Single-phase: up to 20 kVA total (10 kVA solar + 10 kVA battery). • Hybrid inverter rule: combined solar + battery inverter capacity must not exceed 10 kVA. • Import limits prescribed by technical standards.
Basic Static MSO (existing)	• No connection application fee. • No network upgrades required. • Premises is directly connected to the electricity network. • Fixed export limits apply. • *SWER supported.	• Inverter capacity: up to 10 kVA per phase. • Export limits: o Main network: up to 5 kW per phase. o SWER: up to 2 kW per phase.
Negotiated Offer (existing)	• Application fees apply. • Fees for network upgrades may apply. • For systems that do not meet Basic Dynamic or Basic Static criteria, or where customers elect to negotiate terms. • Import and export limits determined case-by-case.	• Limits based on system capability, network availability, and location. • Application fees apply for all negotiated offers.

*__SWER__ - Single Wire Earth Return is a specific type of electricity wire used to transmit electricity across Ergon Energy Network's rural areas. SWERs have a reduced load capacity which may impact integration of customers' solar and battery systems to the electricity network.

Key benefits of Dynamic Connections

- Export more solar generated electricity when the electricity network allows.
- Install larger solar and battery systems on single phase connected premises without the need to upgrade to three-phase power.
- Faster approvals and simpler process.
- No application fee.
- Helps keep electricity prices lower by reducing the need for electricity network upgrades.

How do I apply for a Basic Dynamic Connection offer?

- Solar installers or electrical contractors can apply on a customers' behalf via the **Electrical Partners Portal.**
- Where eligible, receive a basic dynamic connection offer within 10 business days.
- Customers should register their dynamic system via our **Customer Self Service Portal** to maximise the benefits a Dynamic connection can offer.

Note, Basic Dynamic MSO connections are not available for the SWER or isolated networks.

Want to learn more?

Watch our short video on How Dynamic Connections Work.

Visit our Dynamic Connections web pages at Ergon Energy Network or Energex.

Email us ergongeneration@energyq.com.au or energexgeneration@energyq.com.au or call our team on 07 4789 5959 for advice on eligibility and applications.

Consult your electrical contractor or solar installer for guidance.