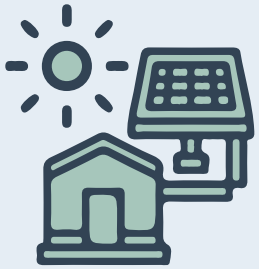
Distribution network export services 2023-24



AUSTRALIAN ENERGY REGULATOR

Insights into Australia's growing two-way energy system provides an overview of the evolving role **customer exports** have within **electricity distribution networks**.
Distribution network service providers (DNSPs) are responsible for enabling customers with consumer energy resources, such as residential solar and batteries, to **export electricity into their networks**.

KEY FINDINGS IN 2023-24

Customers using export services

2.9 million
Export customers

More than **200,000** new customers in 2023-24

Customers use distribution networks to **export electricity** from on-site consumer energy resources to other energy users

Battery penetration

4%
of export customers

More than **28,000** new batteries in 2023-24

On-site **batteries** are currently the **second most popular** exporting technology installed

Average static export limits

5.7 kVA
Average residential non-zero export limit

0.2 kVA
increase in 2023-24

DNSPs impose **static limits** on export customers to **maintain network power quality** and **share export opportunities fairly** among customers

Measured electricity exported by customers

14 million MWh
of electricity exported

10%
of total electricity delivered by DNSPs

Electricity exported into the network by customers is measured by smart meters. Increased smart meter penetration will ensure a higher proportion of electricity exported by customers is measured

Export services expenditure

1%
of total expenditure

DNSPs used about 1% of their total expenditure to support the **provision of export services**

Proportion of customers on static-zero export limits

0.6%
of export customers

Static-zero export limits are where a customer is **constrained from exporting** electricity

Flexible export limits (FELs)

FELs provide customers with a **lower and upper limit** for the electricity they may export. DNSPs actively monitor and vary exports within allowable limits, in response to **network demand** and **congestion**

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of 14 DNSPs offer FELs