

Distributed Generation (DG) in ERCOT*

Other regions may refer to these resources as Distributed Energy Resources (DERs). In some cases, Demand Response (DR) is also included.

	Registration	Compensation	Dispatchable	Unit Size	Technologies	EOY 2024 Totals
Unregistered Distributed Generation	Not registered with ERCOT	No (but customers may be compensated by their electric providers)	N/A	<ul style="list-style-type: none"> Systems typically less than 1 MW (connected to the grid but may or may not inject into the grid) Systems greater than 1 MW (connected to the grid but do not inject into the grid) 	<ul style="list-style-type: none"> Rooftop solar Gas-fired generators Diesel generators 	Estimated at 3,520 MW (3,110 MW of total is rooftop solar) <i>Exact number of sites and capacity unknown; quarterly data provided by market participants</i>
Settlement-Only Distributed Generation (SODG)	Registered with ERCOT (systems that are 1 MW or greater and inject into the grid are required to register)	Yes (compensated for energy)	Self-dispatched	Units may not exceed 10 MW	<ul style="list-style-type: none"> Utility-scale solar Commercial solar Gas-fired generators Diesel generators 	1092 MW <i>(419 SODGs)</i>
Distribution Generation Resources (DGR)	Registered with ERCOT	Yes (compensated for energy and/or Ancillary Services)	Dispatched by ERCOT	Each unit is typically less than 10 MW	<ul style="list-style-type: none"> Currently all batteries 	596 MW

*Distribution level is <60 kV

Demand Response (DR) in ERCOT

Load reduction in response to an economic or reliability signal

Operational DR

Paid and dispatched by ERCOT

- Load Resources providing Responsive Reserve Services (RRS)
- Emergency Response Service (ERS)

Economic DR

May be initiated by electricity provider or customer (i.e., smart thermostats under direct load control)

Distributed Generation (DG)

Demand Response (DR)

