



Here's how you know

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Data v0.1.2

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[Programming Interface \(API\)](#).

Tips

- Use filters to narrow down your search by topic (e.g., energy, agriculture, etc.).
- Check the units to make sure you're interpreting the data correctly.
- Compare parameters to find the best one for your specific question or project.

Ready to explore? Visit the [Parameter Dictionary](#) or read about the ways organizations around the world utilize POWER data with [impact stories](#).

Naming Convention

POWER uses a standard naming convention across all services in the [POWER](#) data services, enabling users to access data from any of the [POWER](#) Services using the same naming convention.

- Names are typically less than 20 characters
- Abbreviated words are separated by a `_`.
- Grouped parameters lead with a common name (e.g. T2M: T2M_MAX, T2M_MIN, T2M_RANGE)

Groupings

The parameter groups are dependent on the user community and temporal level selected when using the [Data Access Viewer \(DAV\)](#). These groups enable parameter recommendations to be tailored to each of the communities: Renewable Energy ([RE](#)), Sustainable Infrastructure (formerly Sustainable Buildings) ([SB](#)), and Agroclimatology ([AG](#)). While within each community, parameters are filtered by the temporal availability (Hourly, Daily, Monthly, Annual, or Climatological) allowing users to only select data that is available.

For each user community and temporal level, the parameters are organized in a hierarchical structure under their respective folder names.

Parameters Limit

There is currently a limit of 20 parameters that can be downloaded at a time using the Data Access Viewer ([DAV](#)).

[DAV Groupings](#)

DAV Groupings

Parameters



Parameters for Solar Cooking

All Sky Surface Shortwave Downward Irradiance

Clear Sky Surface Shortwave Downward
Irradiance

Wind Speed at 2 Meters

Temperatures

Temperature at 2 Meters

Dew/Frost Point at 2 Meters

Wet Bulb Temperature at 2 Meters

Earth Skin Temperature

Temperature at 2 Meters Range

Temperature at 2 Meters Maximum

Temperature at 2 Meters Minimum