lunar energy

Energy Metrics in the Gridshare Platform - Application Note

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Summary

Understanding energy values for solar production, household consumption, or battery discharge is essential to monitor Lunar site performance.

That’s why Energy Metrics are available for Lunar systems in the Gridshare Platform. View all-time and recent energy metrics at a glance, or investigate a selected time range. This feature supports solar generation reporting, and improved tracking of system performance.

This application note describes the energy metrics available for Lunar systems in the Gridshare Platform.

Site Energy Summary

Find an energy summary on the site page displaying data for production, consumption and battery dispatch with values for today, daily average, and lifetime. The summary shows data for selected key nodes in the system: production, consumption and battery discharge with values for **Today**, **7-day average**, and **Lifetime.** See at a glance how a site is performing by contextualizing how today compares to the recent past. Further metrics, including battery charge, grid import and export, are available in the telemetry page, as explained further below.

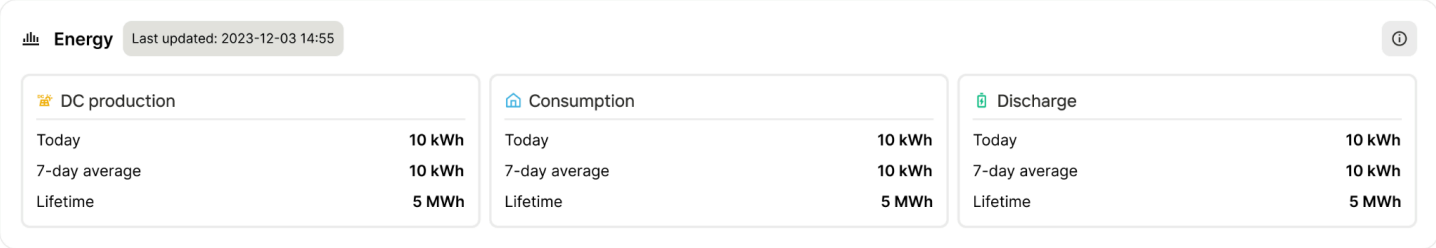


Figure 1. Site energy summary for DC-coupled Lunar system

The “Today” total is calculated in the site's local timezone, and 7-day average values are calculated as a 7-day rolling average.

The nodes adjust automatically to show data relevant to the site’s system configurations:

Site configuration	Nodes shown
Lunar ESS + DC solar	DC production, Consumption, Battery discharge
Lunar ESS + AC solar	AC production, Consumption, Battery discharge
Lunar ESS + DC solar + AC solar	DC production, AC production, Consumption, Battery discharge
Lunar ESS (battery only)	Consumption, Battery charge, Battery discharge

Energy Metrics in Telemetry

Energy metrics in site telemetry displays the totals at every node for the selected time range.

Easily select a week or month to understand energy metrics, including the solar production, at the site over that period. This can be used for production reporting for Power Purchase Agreements (PPAs). Click the download button for CSV of energy metrics for the selected time range.

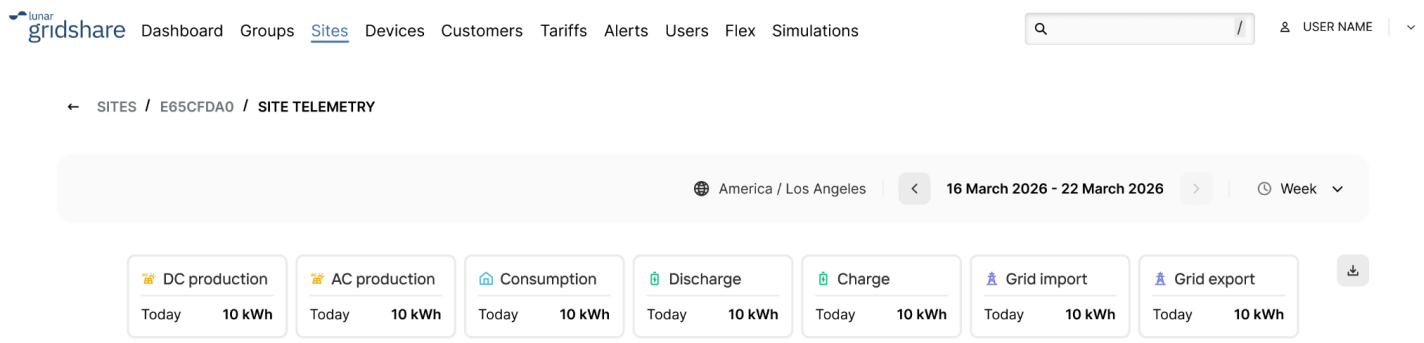


Figure 2. Energy metrics in site telemetry page

The following nodes are shown, depending on the site's configuration:

- DC production
- AC production
- Consumption
- Battery charge
- Battery discharge
- Grid import
- Grid export

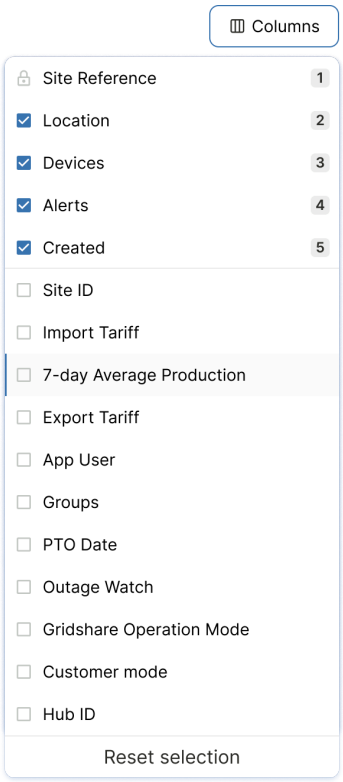
Energy Metrics in Sites List

The sites list now offers a 7-day average production optional column, so you can compare production across your fleet without opening each site. 7-day average values are calculated as a 7-day rolling average.

1. Go to **Sites** section in the Gridshare Platform



2. Select the **Columns** dropdown
3. Select **7-day average production**



Daily average production will be added as an additional column in your list view. For further support on customising your site list view see the Site List application note.

Note: When a site is configured with both AC and DC solar, both production sources will be considered as part of the daily average production.

Version History

Revision	Description of Change	Effective Date
1	Initial Release	2026-09-20