lunar energy

PG&E Interconnection Guide

2025/02/26

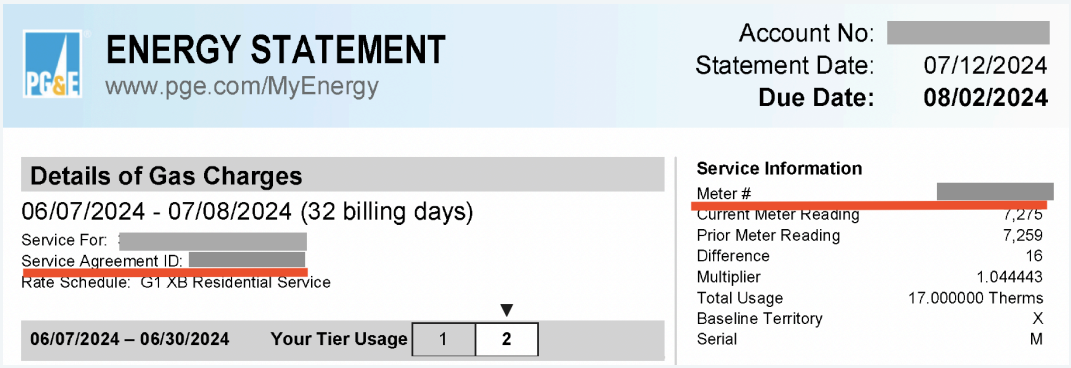
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Start Application

Item 1	Select: '**Option 2 - Connect Solar Panels, Wind Turbines, or Other Generating Equipment**'
Item 2	Select: '**Option 1 - Simple Solar, Wind and/or Energy Storage**'
Item 3	Select: '**Option 2 - Standard NEM with Energy Storage**'

Project Information

Customer and Facility Info

Program	Confirm selection: '**Simple Solar, Wind and/or Energy Storage**'
Subprogram	Confirm selection: '**Standard NEM with Energy Storage**'
Service Type	Select: '**New Generating Facility (Existing Electrical Service)**'
Electrical Service Agreement Number	Enter/paste Service Agreement ID:  **Make sure to enter the **ELECTRIC service** agreement number and meter, not Gas. The system will not recognize the gas numbers.

Equipment Details

System #1

Program	Confirm selection: '**Standard NBT/NEM Paired Storage**'
Tech Type	Select dropdown: '**Solar PV**'
Generator Type	Select dropdown: '**Inverter-External**'
Fuel Type	Select dropdown: '**Solar**'
Will this Generator be used as a Backup?	Select: '**Yes**'
How will the generator act as a back-up?	ATS
Please Select an Anti-Island Detection Method	Select '**Group 1 : Frequency Shift with continuous positive frequency feedback**'
Please provide method of Transition	Open
Do you plan to limit export?	Select: '**No**'
Manufacturer	Select dropdown: '**Lunar Energy, Inc.**'
Model	Select dropdown: '**LE-ESS-20KWH [240V] [SI1-SB] + 10-005025 [240V]**'
Quantity	Enter/paste inverter quantity: '**1**'

System #1 - Power Module #1 for PV modules

Add Power Module	Click button: '**+ Add Power Module**'
Tech Type	Select dropdown: '**Solar PV**'
Generator Type	Select dropdown: '**PV Panels**'

Fuel Type	Select dropdown: '**Solar**'
Manufacturer	Select dropdown, specific to project
Model	Select dropdown, specific to project
Quantity	Enter/paste module quantity

System #1 - Power Module #2 for DC-coupled Lunar Battery

Add Power Module	Click button: '**+ Add Power Module**'
Tech Type	Select dropdown: '**Storage**'
Generator Type	Select dropdown: '**Battery**'
Fuel Type	Select dropdown: '**Onsite Renewable**'
Enter Manufacturer Not In List	Leave unchecked
Manufacturer	Select dropdown: '**Lunar Energy, Inc.**'
Model	Select dropdown: '**LE-ESS-20KWH [SI1-SB][DC]**'
Software Version	**0**
Charging Mode	**No Grid Charging**
Exporting to Grid?	**Yes**
Operating Mode	**Parallel Only (No Export)**
Quantity	**1**
Maximum Storage Capacity (kWh)	**20**
Estimated Annual Net Energy Usage for Energy Storage Device (kWh)	**0**

Will the Distribution System be used to charge the storage device?	Select: **“No”**
Charging Function Rated Charge Demand (Load kW)	**6.67**

Usage and Production

Estimated Solar Annual Production	**Lunar Note** You will get a very high PV estimate. Lunar has flagged this issue to PG&E. PG&E has an advice letter ongoing with California public utilities commission to have the calculations switched, until then the issue will remain as it is and is known by all parties.
Planned Increase In Annual Usage (kWh)	Annual usage + Increase in annual usage = 100% of solar annual production estimate

Documents

Transfer Switch Scheme Documentation	See Lunar Bridge specification in the **Lunar System Datasheet** on Documentation Center
Manufacturer's Documentation for Anti-islanding Method	See **Declaration of Conformity on Anti-Islanding** on Documentation Center

Revision History

Revision	Description of Change	Effective Date
1	Initial Release	2/26/2025
2	Minor update on dropdown value	4/11/2025