

Solar PV Installation Electrical Inspection Fees

The following electrical inspection fees are applicable to solar PV systems and installations:

- (a) The inspection fee for the installation of solar PV systems, is
- (1) 0 watts to and including 5,000 watts, \$60; or
 - (2) 5,001 watts to and including 10,000 watts, \$100 or
 - (3) 10,001 watts to and including 20,000 watts, \$150 or
 - (4) 20,001 watts to and including 30,000 watts, \$200 or
 - (5) 30,001 watts to and including 40,000 watts, \$250 or
 - (6) 40,001 watts and larger, \$250, and \$25 for each additional 10,000 watts.
- (b) For the purpose of paragraph (a), the watt rating is the total estimated alternating current (ac) energy output of the solar system. The total dc energy output is not used.
- (c) The solar PV inspection fees shall include inverters, modules, panels, combiners, converters, charge controllers, disconnecting means and electrical conductors between the inverter and the ac panelboard for stand-alone solar PV systems, or the conductors between the inverter and the service equipment or other power production, distribution and utilization system, such as a utility system and its connected loads, that is external to and not controlled by the solar PV power system.
- (d) In addition to the inspection fees in (a), additional inspection fees may be applicable on large-scale projects for the inspection of additional electrical infrastructure between the inverter output circuit and the electrical production and distribution network. The inspection fees shall be calculated according to [Minnesota Statutes 326B.37, subdivisions 2, 3, 4, and 6, paragraphs \(d\), \(f\), \(j\), and \(k\).](#)
- (e) When a plan review is required or performed the plan review fee is \$80 per hour.

**Minnesota Solar PV System
Electrical Inspection Fee Chart**

Solar PV System Rating*	Inspection Fees
0 – 5,000 watts	\$60
5,000 – 10,000 watts	\$100
10,001 – 20,000 watts	\$150
20,001 – 30,000 watts	\$200
30,001 – 40,000 watts	\$250
40,001 and larger	\$250, and \$25 for each additional 10,000 watts
*The watt rating is the total estimated alternating current (ac) energy output of the solar system. The total dc energy output is not used.	
The solar PV inspection fees shall include inverters, modules, panels, combiners, converters, charge controllers, disconnecting means and electrical conductors between the inverter and the ac panelboard for stand-alone solar PV systems, or the conductors between the inverter and the service equipment or other power production, distribution and utilization system, such as a utility system and its connected loads, that is external to and not controlled by the solar PV power system.	
In addition to the basic solar PV inspection fees, additional inspection fees may be applicable on large-scale projects for the inspection of additional electrical infrastructure between the inverter output circuit and the electrical production and distribution network. The inspection fees shall be calculated according to Minnesota Statute 326B.37, subdivisions 2, 3, 4, and 6, paragraphs (d), (f), (j), and (k).	
When a plan review is required or performed the plan review fee is \$80 per hour.	

Question: Upon request will the department perform a plan review prior to the installation of a solar PV system?

Answer: Yes. Please contact the department at dli.electricity@state.mn.us for more information. The department reserves the right to charge a plan review fee of \$80 per hour when performing plan reviews.

Solar America Board for Codes and Standards Expedited Permitting

<http://www.solarabcs.org/about/publications/reports/expedited-permit/forms/index.html>

- Standard String System
- <http://www.solarabcs.org/about/publications/reports/expedited-permit/pdfs/Example1-StandardStringSystem.pdf>
- Micro-Inverter System
- <http://www.solarabcs.org/about/publications/reports/expedited-permit/pdfs/Example2-Micro-Inverter.pdf>
- AC-Module System
- <http://www.solarabcs.org/about/publications/reports/expedited-permit/pdfs/Example3-ACModule.pdf>
- Supply-Side Connection System
- <http://www.solarabcs.org/about/publications/reports/expedited-permit/pdfs/Example4-Supply-SideConnection.pdf>