

Sample MA Residential Photovoltaic System Costs

Depending on your electrical demand, space and financial considerations, we will design an optimal PV system, quote the cost and provide a turn key contract.



PV System Size	9.9 kW Roof	5.94 kW Roof	3.3 kW Roof	9.9 kW 2 Pole	7.92 kW Tracker	4.95 kW 1 Pole
Estimated Annual Electrical Generation	11385 kWh	6831 kWh	3795 kWh	10,530 kWh	12,045 kWh	5,792 kWh
Estimated Total Materials and Installed Cost (USA made if possible)	\$34,650	\$21,087	\$11,880	\$47,400	\$41,470	\$23,700
FEDERAL tax credit (30% of total system cost, ends 12/2019, may be rolled over) *	\$10,395	\$6,326	\$3,564	\$14,220	\$12,441	\$7,110
MA State tax credit (15% up to \$1000)	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000
Cost after tax credits	\$23,255	\$13,761	\$7,316	\$32,180	\$28,029	\$15,590
Estimated Annual Avoided Electrical Costs (@17¢/kWhr)	\$1,936	\$1,161	\$646	\$1,970	\$2,048	\$985
Estimated Annual Solar Renewable Energy Credits (SREC2 for a 10 year term) (17¢/kWh varies with market rates)**(New program starts in 2018)	\$1,936	\$1,161	\$646	\$1,970	\$2,048	\$985
Simple Payback	6 yrs	5.9 yrs	5.7 yrs	8.2 yrs	6.8 yrs	7.9 yrs
<i>2 - 4 years SREC's positive cash flow</i>						

* We advise contacting a tax accountant for more details. ** See <http://www.mass.gov/eea/energy-utilities-clean-tech/renewable-energy/solar/rps-solar-carve-out-2/>

Call MassSave 866-527-7283
 Free energy audit, Free air sealing and 75% off insulation up to \$2000 Heat Loan (0% interest up to \$25,000) for more insulation, windows, doors, high efficiency heating and solar hot water systems.
 Additional incentives for air source mini split heat pumps for heating and cooling

MA Clean Energy Center - Residential Loan Program

Available to systems up to 10kW, Lower Interest Rate for 30% Loan Support applicants only, 10 or 15 yr term, up to \$60,000

<u>Household size</u>	10% Loan support ***	30% Loan support ***
	<u>If Income line 22 is less than</u>	<u>If Income line 22 is less than</u>
1	\$68,760	\$45,840
2	\$89,916	\$59,994
3	\$111,074	\$74,049
4	\$132,230	\$88,153

*** of PV system total costs up to \$35,000