

Battery Backed RESIDENTIAL SOLAR PHOTOVOLTAIC SYSTEMS

clean, secure, renewable electricity generation

Dovetail Solar and Wind offers a broad range of solar electric systems, all including professional installation.
All sample systems are roof mounted, and qualify for a 30% Federal Investment Tax Credit.

Grid-Interactive (net metering) or Off-Grid Systems					
System Size	2.0 kW	3.1 kW	4.6 kW	6.1 kW	7.7 kW
Approx Shade Free Area Required	188 sq. ft.	288 sq. ft.	432 sq. ft.	576 sq. ft.	720 sq. ft.
Average monthly energy output (kWh)*					
Monthly Average	185 kWh	278 kWh	413 kWh	550 kWh	688 kWh
Major System Components					
Modules (US made)	(8) 255 Watt	(12) 255 Watt	(18) 255 Watt	(24) 255 Watt	(30) 255 Watt
Inverter	OutBack GVFX 3.5kW	OutBack GVFX 3.6kW	OutBack GS Radian 8kW	OutBack GS Radian 8kW	OutBack GS Radian 8kW
Battery kWh rating/type	9.4 kWh AGM	9.4 kWh AGM	18.7 kWh AGM	18.7 kWh AGM	37.4 kWh AGM
Estimated Total Installed Cost					
Installed Price	\$23,200	\$25,500	\$34,000	\$38,400	\$48,700
Financial Incentives & Cost Offsets					
Federal 30% ITC	\$6,960	\$7,650	\$10,200	\$11,520	\$14,610
Net Cost With Tax Credit	\$16,240	\$17,850	\$23,800	\$26,880	\$34,090
Conservative Utility Savings & SREC Income over 25 years [Ⓛ]	\$13,554	\$20,368	\$30,258	\$35,732	\$50,406
Environmental Impact	87,071 lbs CO ₂	130,841 lbs CO ₂	194,379 lbs CO ₂	258,859 lbs CO ₂	323,809 lbs CO ₂

* Average Solar Energy Production Estimates for Central Ohio at 25o to 40o panel angle tilt facing south.

- Above systems are utility Grid-Interactive (grid-tied/net metered) or independent, Off-Grid. Generator interactive options, as well as systems without batteries are available.
- Estimated prices are for flush roof mounting. Alternative mounting options are available. Battery bank size is typical, and can be adjusted to meet your needs.
- Batteries are AGM type sealed no-maintenance type for Grid-Interactive Systems, as shown above. Lower cost Flooded Deep Cycle batteries available for Off-Grid Systems.
- Prices are for typical configuration of a complete, fully installed system. They do NOT include rebates or tax credits which reduce your final cost.
- A custom system is always designed to meet your specific building and project needs. Contact Dovetail for your best price. FINANCING AVAILABLE.
- [Ⓛ] Based on current Ohio average electric rate of 13 cents/kWh, with only 3.5% annual inflation, and selling system produced SRECs at 25% of the SREC Compliance values that are specified in Ohio SB221 through 2025. Note: average Ohio residential electric rates have increased more than 20% in the last 5 years.
- Environmental Impact is the pounds of Carbon Dioxide (CO₂) avoided that would have been emitted by a coal fired power plant to produce the same amount of electricity over 25 years.



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