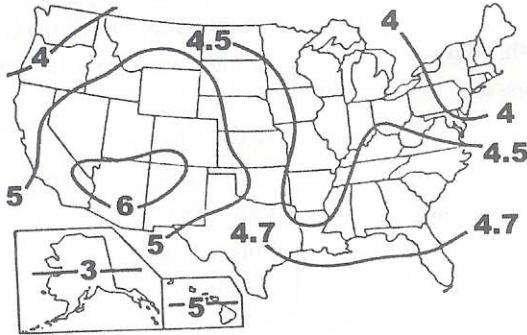


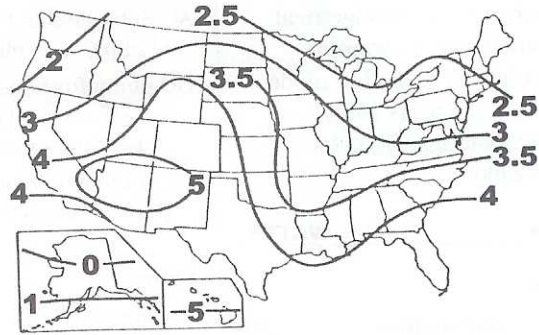
SOLAR INSOLATION MAPS

The maps below show the sun-hours per day for the U.S. Charts courtesy of D.O.E.

Yearly Average



Four-Week Average 12/7-1/4



SOLAR INSOLATION BY U.S. CITY

This chart shows solar insolation in kilowatt-hours per square meter per day in many U.S. locations. For simplicity, we call this figure "Sun Hours/Day." To find average sun hours per day in your area (last column), check local weather data, look at the maps above or find a city in the table that has similar weather to your location. If you want year-round autonomy, use the lowest of the two figures. If you want only 100% autonomy in summer, use the higher figure.

State	City	High	Low	Avg	State	City	High	Low	Avg	State	City	High	Low	Avg
AK	Fairbanks	5.87	2.12	3.99	KS	Manhattan	5.08	3.62	4.57	NY	Schenectady	3.92	2.53	3.55
AK	Matanuska	5.24	1.74	3.55	KS	Dodge City	6.5	4.2	5.6	NY	Rochester	4.22	1.58	3.31
AL	Montgomery	4.69	3.37	4.23	KY	Lexington	5.97	3.6	4.94	NY	New York City	4.97	3.03	4.08
AR	Bethel	6.29	2.37	3.81	LA	Lake Charles	5.73	4.29	4.93	OH	Columbus	5.26	2.66	4.15
AR	Little Rock	5.29	3.88	4.69	LA	New Orleans	5.71	3.63	4.92	OH	Cleveland	4.79	2.69	3.94
AZ	Tucson	7.42	6.01	6.57	LA	Shreveport	4.99	3.87	4.63	OK	Stillwater	5.52	4.22	4.99
AZ	Page	7.3	5.65	6.36	MA	E. Wareham	4.48	3.06	3.99	OK	Oklahoma City	6.26	4.98	5.59
AZ	Phoenix	7.13	5.78	6.58	MA	Boston	4.27	2.99	3.84	OR	Astoria	4.76	1.99	3.72
CA	Santa Maria	6.52	5.42	5.94	MA	Blue Hill	4.38	3.33	4.05	OR	Corvallis	5.71	1.9	4.03
CA	Riverside	6.35	5.35	5.87	MA	Natick	4.62	3.09	4.1	OR	Medford	5.84	2.02	4.51
CA	Davis	6.09	3.31	5.1	MA	Lynn	4.6	2.33	3.79	PA	Pittsburg	4.19	1.45	3.28
CA	Fresno	6.19	3.42	5.38	MD	Silver Hill	4.71	3.84	4.47	PA	State College	4.44	2.79	3.91
CA	Los Angeles	6.14	5.03	5.62	ME	Caribou	5.62	2.57	4.19	RI	Newport	4.69	3.58	4.23
CA	Soda Springs	6.47	4.4	5.6	ME	Portland	5.23	3.56	4.51	SC	Charleston	5.72	4.23	5.06
CA	La Jolla	5.24	4.29	4.77	MI	Sault Ste. Marie	4.83	2.33	4.2	SD	Rapid City	5.91	4.56	5.23
CA	Inyokern	8.7	6.87	7.66	MI	E. Lansing	4.71	2.7	4.0	TN	Nashville	5.2	3.14	4.45
CO	Grandby	7.47	5.15	5.69	MN	St. Cloud	5.43	3.53	4.53	TN	Oak Ridge	5.06	3.22	4.37
CO	Grand Lake	5.86	3.56	5.08	MO	Columbia	5.5	3.97	4.73	TX	San Antonio	5.88	4.65	5.3
CO	Grand Junction	6.34	5.23	5.85	MO	St. Louis	4.87	3.24	4.38	TX	Brownsville	5.49	4.42	4.92
CO	Boulder	5.72	4.44	4.87	MS	Meridian	4.86	3.64	4.43	TX	El Paso	7.42	5.87	6.72
DC	Washington	4.69	3.37	4.23	MT	Glasgow	5.97	4.09	5.15	TX	Midland	6.33	5.23	5.83
FL	Apalachicola	5.98	4.92	5.49	MT	Great Falls	5.7	3.66	4.93	TX	Fort Worth	6	4.8	5.43
FL	Belie Is.	5.31	4.58	4.99	MT	Summit	5.17	2.36	3.99	UT	Salt Lake City	6.09	3.78	5.26
FL	Miami	6.26	5.05	5.62	NM	Albuquerque	7.16	6.21	6.77	UT	Flaming Gorge	6.63	5.48	5.83
FL	Gainesville	5.81	4.71	5.27	NB	Lincoln	5.4	4.38	4.79	VA	Richmond	4.5	3.37	4.13
FL	Tampa	6.16	5.26	5.67	NB	N. Omaha	5.28	4.26	4.9	WA	Seattle	4.83	1.6	3.57
GA	Atlanta	5.16	4.09	4.74	NC	Cape Hatteras	5.81	4.69	5.31	WA	Richland	6.13	2.01	4.44
GA	Griffin	5.41	4.26	4.99	NC	Greensboro	5.05	4	4.71	WA	Pullman	6.07	2.9	4.73
HI	Honolulu	6.71	5.59	6.02	ND	Bismark	5.48	3.97	5.01	WA	Spokane	5.53	1.16	4.48
IA	Ames	4.8	3.73	4.4	NJ	Sea Brook	4.76	3.2	4.21	WA	Prosser	6.21	3.06	5.03
ID	Boise	5.83	3.33	4.92	NV	Las Vegas	7.13	5.84	6.41	WI	Madison	4.85	3.28	4.29
ID	Twin Falls	5.42	3.42	4.7	NV	Ely	6.48	5.49	5.98	WV	Charleston	4.12	2.47	3.65
IL	Chicago	4.08	1.47	3.14	NY	Binghamton	3.93	1.62	3.16	WY	Lander	6.81	5.5	6.06
IN	Indianapolis	5.02	2.55	4.21	NY	Ithaca	4.57	2.29	3.79					