

発電効率別の視聴可能時間目安

地域別勾配別の発電効率

仙台（年間最適角度は30~40度）					
〈夏〉					
傾斜角度	0° (南)	45° (南東・南西)	90° (東・西)	135° (北東・北西)	180° (北)
10°	100%	99%	98%	97%	97%
20°	99%	98%	96%	93%	92%
30°	96%	95%	92%	88%	86%
40°	91%	90%	87%	81%	79%
50°	84%	85%	82%	74%	70%
60°	77%	78%	75%	66%	60%
70°	68%	70%	68%	59%	50%
80°	58%	62%	62%	53%	43%
90°	48%	53%	54%	47%	39%
〈冬〉					
傾斜角度	0° (南)	45° (南東・南西)	90° (東・西)	135° (北東・北西)	180° (北)
10°	72%	69%	61%	52%	48%
20°	82%	76%	60%	43%	35%
30°	90%	80%	59%	36%	24%
40°	96%	84%	57%	31%	21%
50°	99%	85%	55%	27%	20%
60°	100%	84%	52%	25%	20%
70°	98%	81%	49%	23%	19%
80°	94%	77%	45%	21%	18%
90°	88%	70%	41%	20%	18%

東京（年間最適角度は30~40度）					
〈夏〉					
傾斜角度	0° (南)	45° (南東・南西)	90° (東・西)	135° (北東・北西)	180° (北)
10°	100%	100%	99%	98%	97%
20°	98%	98%	96%	94%	93%
30°	95%	95%	92%	88%	87%
40°	90%	90%	87%	81%	79%
50°	83%	84%	82%	74%	70%
60°	75%	77%	75%	66%	60%
70°	66%	69%	68%	59%	50%
80°	55%	60%	61%	52%	42%
90°	45%	52%	54%	47%	37%
〈冬〉					
傾斜角度	0° (南)	45° (南東・南西)	90° (東・西)	135° (北東・北西)	180° (北)
10°	74%	70%	62%	53%	49%
20°	83%	77%	61%	44%	36%
30°	91%	81%	59%	36%	24%
40°	97%	84%	57%	30%	19%
50°	100%	84%	55%	26%	18%
60°	100%	83%	51%	23%	18%
70°	98%	80%	48%	21%	17%
80°	93%	75%	44%	20%	17%
90°	86%	69%	40%	19%	16%

大阪（年間最適角度は30度）					
〈夏〉					
傾斜角度	0° (南)	45° (南東・南西)	90° (東・西)	135° (北東・北西)	180° (北)
10°	100%	100%	99%	98%	98%
20°	98%	98%	97%	94%	93%
30°	95%	95%	93%	89%	87%
40°	89%	90%	88%	82%	79%
50°	82%	84%	82%	74%	70%
60°	73%	76%	76%	66%	59%
70°	63%	68%	69%	59%	48%
80°	53%	60%	62%	52%	39%
90°	42%	51%	55%	46%	35%
〈冬〉					
傾斜角度	0° (南)	45° (南東・南西)	90° (東・西)	135° (北東・北西)	180° (北)
10°	77%	74%	66%	58%	54%
20°	86%	80%	65%	50%	42%
30°	93%	84%	64%	42%	30%
40°	98%	86%	61%	36%	24%
50°	100%	86%	58%	32%	23%
60°	100%	85%	55%	28%	22%
70°	97%	81%	51%	26%	21%
80°	92%	76%	47%	24%	20%
90°	85%	69%	43%	23%	19%

鹿児島（年間最適角度は20~30度）					
〈夏〉					
傾斜角度	0° (南)	45° (南東・南西)	90° (東・西)	135° (北東・北西)	180° (北)
10°	100%	100%	99%	99%	98%
20°	98%	98%	97%	95%	94%
30°	94%	94%	93%	90%	89%
40°	87%	89%	88%	83%	81%
50°	80%	82%	82%	75%	72%
60°	71%	75%	75%	67%	62%
70°	61%	66%	68%	59%	50%
80°	50%	58%	61%	52%	40%
90°	40%	49%	54%	46%	35%
〈冬〉					
傾斜角度	0° (南)	45° (南東・南西)	90° (東・西)	135° (北東・北西)	180° (北)
10°	80%	77%	70%	62%	59%
20°	89%	82%	68%	54%	47%
30°	95%	86%	66%	46%	35%
40°	98%	87%	64%	39%	27%
50°	100%	87%	60%	34%	25%
60°	99%	85%	57%	31%	24%
70°	96%	81%	52%	28%	23%
80°	90%	75%	48%	25%	22%
90°	83%	67%	43%	24%	20%

発電効率別の視聴可能時間目安(時間)

日の出から日の入りまで常時晴天だった場合の1日あたりの連続視聴可能時間目安

※視聴可能時間目安(時間) = 発電効率(%) ÷ 100 × 発電量(5W) × 日の出から日の入りまで時間 ÷ 消費電力(5.1W)

夏 日の出から日の入りまで時間を13時間として算出 **冬** 日の出から日の入りまで時間を10時間として算出

発電効率 ▶	100%	95%	90%	85%	80%	75%	70%	65%	60%	55%	50%	45%	40%	35%	30%
〈夏〉	12.7	12.1	11.5	10.8	10.2	9.6	8.9	8.3	7.6	7.0	6.4	5.7	5.1	4.5	3.8
〈冬〉	9.8	9.3	8.8	8.3	7.8	7.4	6.9	6.4	5.9	5.4	4.9	4.4	3.9	3.4	2.9