

Annex

The maximum power for different tilt angles (monocrystalline and amorphous panels)

Tilt angle	P_{\max} m-Si [W]	P_{\max} a-Si [W]
0	0.52	0.254
10	0.592	0.285
20	0.654	0.309
30	0.687	0.325
40	0.703	0.328
50	0.69	0.323
60	0.661	0.31
70	0.606	0.286
80	0.537	0.255
90	0.447	0.214

The normalized power for different tilt angles (monocrystalline and amorphous panels)

Tilt angle	P_{\max} m-Si [W]	P_{\max} a-Si [W]
0	73.96	77.43
10	84.21	86.89
20	93.02	94.20
30	97.72	99.08
40	100	100
50	98.15	98.47
60	94.02	94.51
70	86.20	87.19
80	76.38	77.74
90	63.58	65.24

The average maximum power vs irradiance (Fig.4)

Irradiance	P_{\max} m-Si [W]	P_{\max} a-Si [W]	P_{\max} difference [W]
100	0.106637	0.044429	0.0622082
200	0.187428	0.0782022	0.109226
300	0.26822	0.111975	0.156244
400	0.349011	0.145749	0.203262
500	0.429802	0.179522	0.25028
600	0.510593	0.213295	0.297298
700	0.591384	0.247068	0.344316
800	0.672175	0.280841	0.391334
900	0.752966	0.314614	0.438352

90	63.58	65.24
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