# Best Large-Area, Thin Film Modules
# (standard conditions, aperture area)

| Company | Device | Size ($cm^2$) | Efficiency | Power | Date |
|---|---|---|---|---|---|
| BP Solar | CdS/CdTe | 8390 | 11.0% | 92.5 W | 9/01 |
| Wurth Solar | CIGS | 5932 | 12.5% | 74 W | 5/02 |
| United Solar | a-Si/a-SiGe/a-SiGe | 9276 | 7.6% (stabilized) | 70.8 W | 9/97 |
| First Solar | CdS/CdTe | 6612 | 10.1% | 67.1 W | 12/01 |
| Matsushita | CdS/CdTe | 5413 | 11% | 59 W | 6/00 |
| Global Solar | CdS/CIGS/foil | 7714 | 7.3% | 56.8 W | 3/02 |
| BP Solar | a-Si/a-SiGe | 7417 | 7.6% (stabilized) | 56 W | 9/96 |
| Antec Solar | CdS/CdTe | 6633 | 7% | 46.7 W | 11/01 |
| Shell Solar | CdS/CIS-alloy | 3626 | 12.8% | 46.5 | 3/03 |
| Showa Shell | $Zn(O,S,OH)_x$/CIGS | 3459 | 13.4% (4 1-$ft^2$ modules laminated together) | 46.45 W | 8/02 |
| EPV | a-Si/a-Si | 7432 | 5.7% (stabilized) | 42.3 W | 10/02 |
| Kaneka | a-Si/thin x-Si/glass | 3738 | 10% (est., stable) | 38 W (est) | 9/00 |
| United Solar | a-Si triple | 4519 | 7.9% (stabilized) | 35.7 W | 6/97 |

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