

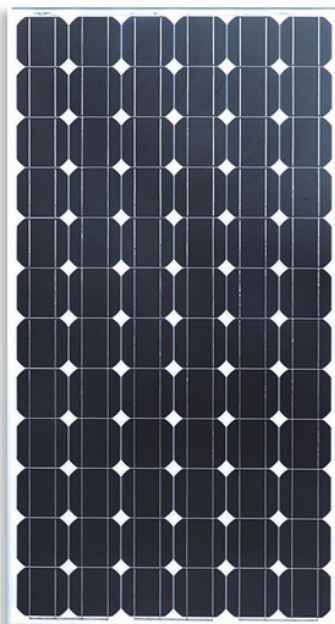
Solar panel (PV)

แผงเซลล์แสงอาทิตย์ หรือ Solar Cell
(PHOTOVOLTAIC CELL)

แผงโซลาร์เซลล์ ตามขนาด Wp

Mono crystalline Solar Panels

| Module | SM10 | SM20 | SM30 | SM40 |
|-------------------------------|------|------|------|------|
| Rated Power Pmax (W) | 10 | 20 | 30 | 40 |
| Voltage (V) | 12 | 12 | 12 | 12 |
| Rated Current Impp (A) | 0.58 | 1.17 | 1.76 | 2.34 |
| Rated Voltage Vmpp (V) | 17.1 | 17.1 | 17.1 | 17.1 |
| Short Circuit Current Isc (A) | 0.60 | 1.21 | 1.83 | 2.44 |
| Open circuit Voltage Voc (V) | 21.4 | 21.4 | 21.4 | 21.4 |
| Length (mm) | 352 | 574 | 680 | 710 |
| Width (mm) | 290 | 354 | 419 | 511 |
| Thickness (mm) | 25 | 25 | 35 | 35 |
| Weight (kg) | 1.6 | 2.0 | 2.7 | 3.8 |



Poly crystalline Solar Panels

| Module | SM15 | SM 60 | SM 60 | SM 60 | SM 95 | SM 100 | SM 140 | SM 180 |
|-------------------------------|------|-------|-------|-------|-------------------|--------|-------------------|-------------------|
| Rated Power Pmax (W) | 15 | 60 | 60 | 60 | 95 | 100 | 140 | 180 |
| Voltage (V) | 3 | 12 | 24 | 12 | 12 | 12 | 12 | 24 |
| Rated Current Impp (A) | 0.68 | 3.43 | 1.71 | 3.43 | 5.96 | 6.29 | 8.00 | 5.15 |
| Rated Voltage Vmpp (V) | 4.4 | 17.5 | 35 | 17.5 | 17.5 | 17.5 | 17.5 | 34.2 |
| Short Circuit Current Isc (A) | 0.72 | 3.78 | 1.78 | 3.78 | 6.43 | 6.77 | 8.80 | 5.67 |
| Open circuit Voltage Voc (V) | 4.6 | 21.4 | 21.4 | 21.4 | 21.4 | 21.4 | 21.4 | 43 |
| Length (mm) | 841 | 841 | 841 | 1345 | 1197 | 1026 | 1491 | 1579 |
| Width (mm) | 160 | 544 | 544 | 350 | 542 | 671 | 671 | 807 |
| Thickness (mm) | 25 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| Weight (kg) | 2.0 | 6.2 | 6.2 | 6.5 | 8 | 12 | 12 | 16 |
| Power Output Warranty (Year) | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Certification | NIL | NIL | NIL | NIL | CE / TUV IEC61215 | NIL | CE / TUV IEC61215 | CE / TUV IEC61215 |