

10 Watt Photovoltaic Module

EVERLIGHT ELM-10P

EVERLIGHT ELM-10P is a 10 watt, 12 volt solar panel, and will provide enough power to trickle charge a 12V vehicle or deep cycle battery. Helps run pumps, lights, fans, and small appliances such as stereos, televisions and VCRs in caravans, boats or cabins.

| TYPICAL ELECTRICAL CHARACTERISTICS | |
|------------------------------------|--|
| Maximum power | 10W |
| Voltage at max. power | 17.0 V |
| Current at max. power | 0.59A |
| Open circuit voltage | 21.0V |
| Short circuit current | 0.67A |
| Temperature coefficient of Isc | (0.065±0.015)%/°C |
| Temperature coefficient of Voc | -(160±20)mV/°C |
| Temperature coefficient of power | -(0.5±0.05)%/°C |
| Max. oper. voltage | 1000V |
| Operating temperature | -40/+85 °C |
| Resistance | 227g steel ball down from 1m height and 60m/s wind |

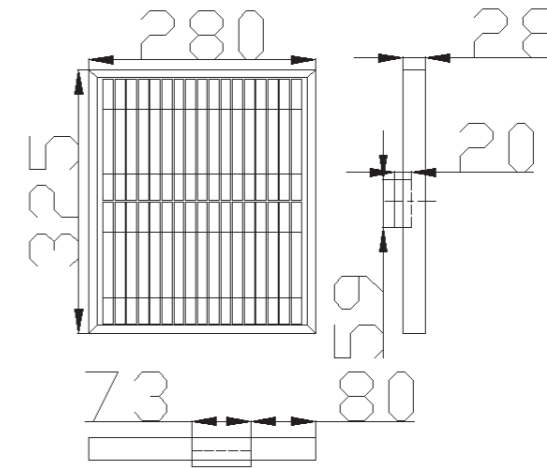
| PERFORMANCE | |
|-------------------|---|
| Model | ELM-10P |
| Rated power | 10W |
| Tolerance | ±5% |
| Module efficiency | 14.8% |
| Nominal voltage | 12V |
| Warranty | Pm is not less than 90% in 10 years and 80% in 25 years |

| MECHANICAL CHARACTERISTICS | |
|----------------------------|--|
| Dimensions(mm) | 280×325×28 |
| Overall tolerances | ±3mm |
| Weight(Kg) | 1.3 |
| Frame | Clear anodized aluminum alloy type 6063T6. Silver Universal frame. |
| Solar Cells | 36 cells (125 x 12.5mm) configured geometrically in a 18 x 2 matrix connected in series. |

Test conditions: @STC 1000W/m², AM1.5, 25°C

Product Standards: CE certified, TÜV according to IEC 61215 expected by Oct. 2007.

Module Diagram



Graph

