

20 Watt Photovoltaic Module

EVERLIGHT ELM-20P

EVERLIGHT ELM-20P is a 20 watt, 12 volt solar panel, great for travelers and industrial uses alike. The EVERLIGHT ELM-20P provides supplemental power to PV, marine or caravan batteries. This model is ideal for running lights and small appliances such as TVs, VCRs, computers, radios and pumps.

TYPICAL ELECTRICAL CHARACTERISTICS	
Maximum power	20W
Voltage at max. power	17.0 V
Current at max. power	1.18A
Open circuit voltage	21.0V
Short circuit current	1.37A
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

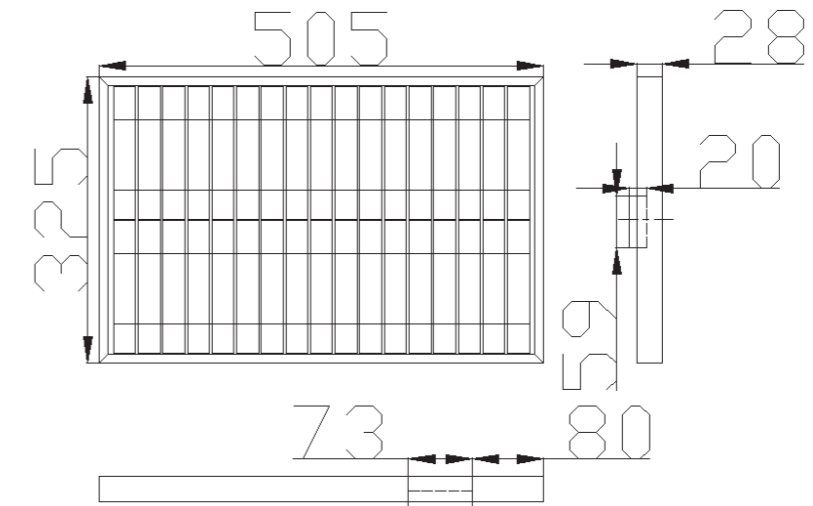
PERFORMANCE	
Model	ELM-20P
Rated power	20W
Tolerance	±5%
Module efficiency	14.8%
Nominal voltage	12V
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years

MECHANICAL CHARACTERISTICS	
Dimensions(mm)	505×325×28
Overall tolerances	±3mm
Weight(Kg)	2.3
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

