

## 40 Watt Photovoltaic Module

### EVERLIGHT ELA-40P

EVERLIGHT ELA-40P photovoltaic modules offer industry-leading performance, durability, and reliability for electrical power requirements. An anti-reflective coating provides a uniform blue color and increases the absorption of light in all weather conditions. Common applications include RVs, cabins, pumps, beacons, and lighting equipment. Designed to withstand rigorous weather conditions, a junction box is also provided for easy electrical connections in the field, making EVERLIGHT modules the perfect combination advanced technology and reliability.

TYPICAL ELECTRICAL CHARACTERISTICS	
Maximum power	40W
Voltage at max. power	17.2 V
Current at max. power	2.33A
Open circuit voltage	21.6V
Short circuit current	2.57A
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

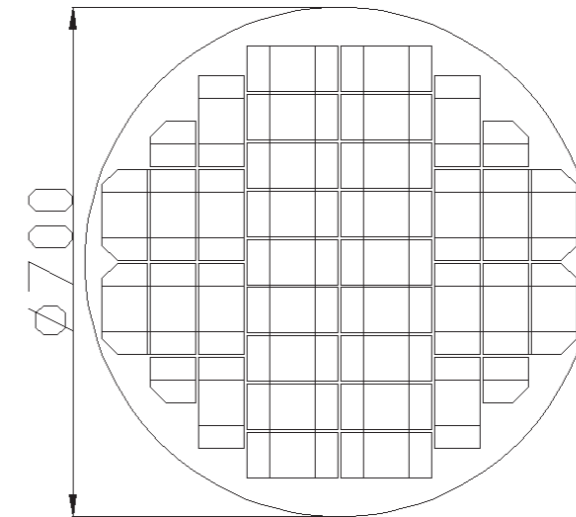
PERFORMANCE	
Model	ELA-40P
Rated power	40W
Tolerance	±5%
Module efficiency	14.0%
Nominal voltage	12V
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years

MECHANICAL CHARACTERISTICS	
Dimensions(mm)	Ø700
Overall tolerances	5.0
Weight(Kg)	36 cells (125 x 62.5mm) configured geometrically in series.

Test conditions: @STC 1000W/m<sup>2</sup>, AM1.5, 25°C

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

## Module Diagram



## Graph

