

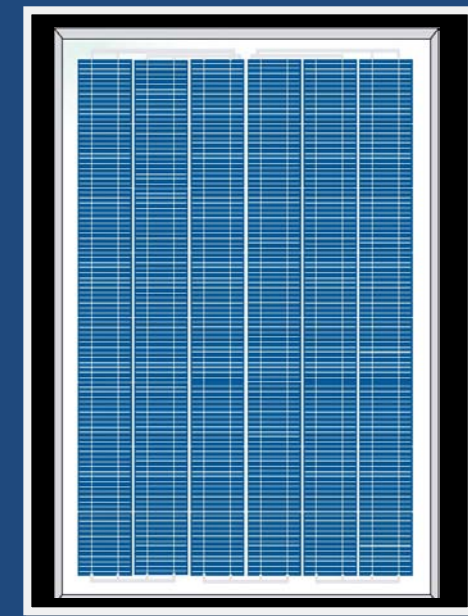
# NESOL MODULE

Carry the sunshine



# NE MODULE Poly

**NE-5648195P 195W    NE-5648190P 190W**  
**NE-5648185P 185W    NE-5648180P 180W**  
**NE-5648175P 175W    NE-5648170P 170W**  
**NE-5648165P 165W    NE-5648160P 160W**  
**NE-5648155P 155W**



## Specification:

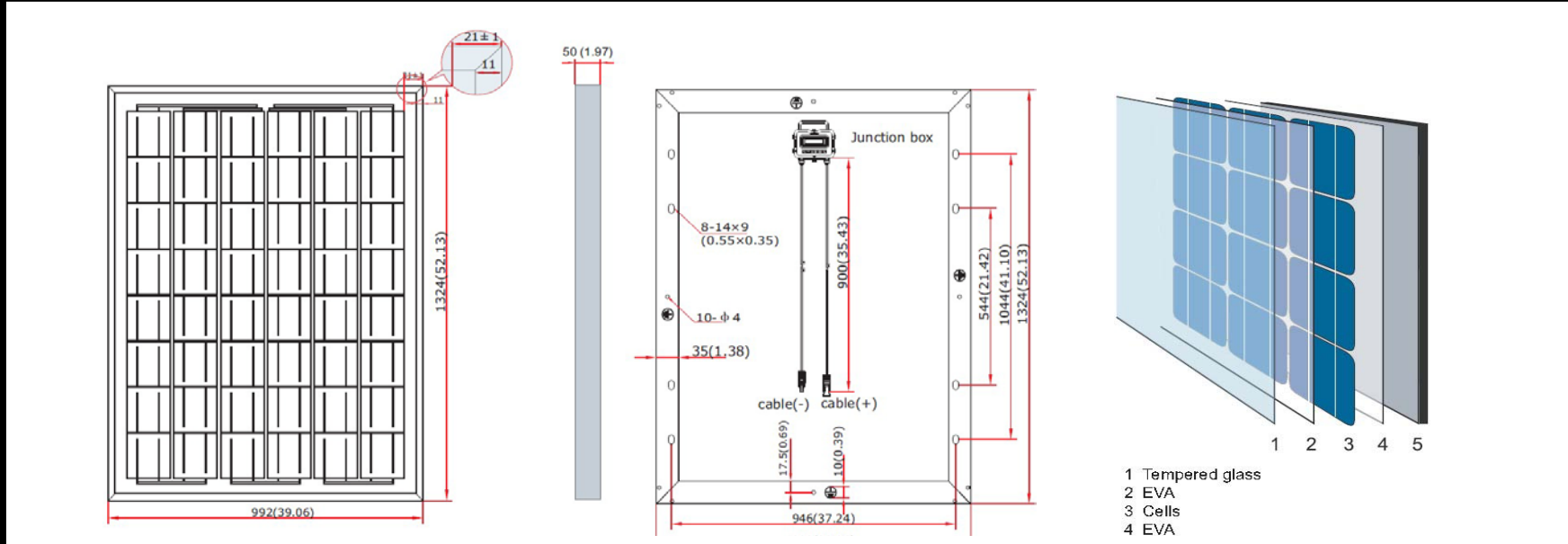
Model type	NE-5648195P	NE-5648190P	NE-5648185P	NE-5648180P	NE-5648175P	NE-5648170P	NE-5648165P	NE-5648160P	NE-5648155P
Peak power (Pmax)	195W	190W	185W	180W	175W	170W	165W	160W	155W
Cell type	156mm x 156mm Grade A poly solar cell								
Number of cells	48 cells in a series								
Weight	15.6 kg								
Dimensions	1324×992×50mm								
Cell Efficiency	17.20%	16.76%	16.33%	15.88%	15.44%	15.00%	14.59%	14.12%	13.67%
Maximum power voltage (Vmp)	23.50V	23.50V	23.50V	23.50V	23.20V	23.20V	23.00V	23.00V	23.00V
Maximum power current (Imp)	8.29A	8.08A	7.87A	7.66A	7.54A	7.39A	7.17A	6.95A	6.73A
Open circuit voltage (Voc)	29.20V	29.20V	29.04V	29.04V	29.04V	29.00V	29.00V	29.00V	29.00V
Short circuit current (Isc)	8.50A	8.41A	8.41A	8.10A	8.10A	8.10A	7.90A	7.80A	7.60A
Power Tolerance	-1 to +3%								
Maximum system voltage	DC 1000V								
Temp. Coeff. of Isc (TK Isc) %/°C	0.04%								
Temp. Coeff. of Voc (TK Voc) %/°C	-0.34								
Temp. Coeff. of Pmax (TK Pmax) %/°C	-0.47								
Normal Operating Cell Temperature	44.4±2°C								
Series fuse rating (A)	10A								
Number of bypass diode	3								
Max Load	2400Pascals ( 50lb/ft <sup>2</sup> )								

Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m<sup>2</sup> solar irradiance, 1.5 Air Mass, and cell temperature of 25°C. The NOCT is obtained under the Test Conditions : 800 W/m<sup>2</sup>, 20°C ambient temperature, 1 m/s wind speed, AM 1.5 spectrum.

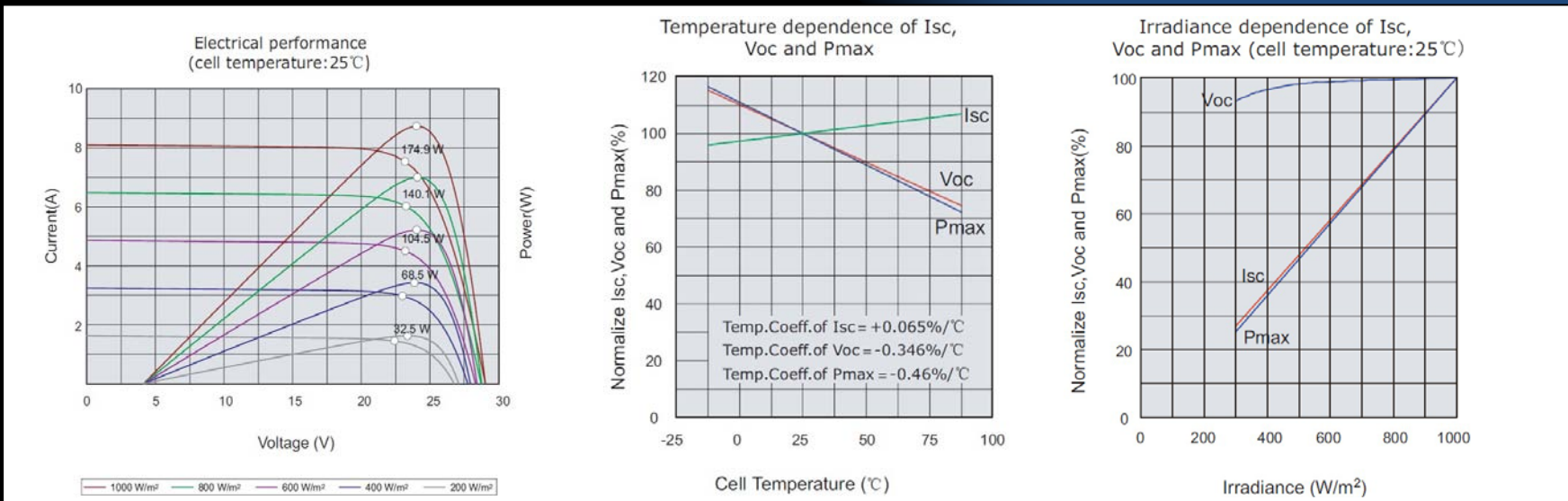
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 NE-5648155P 155W

## PHYSICAL CHARACTERISTICS



## ELECTRICAL CHARACTERISTICS



# NESOL LIMITED SOLAR MODULE

*Carry The Sunshine*



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