

Poly-crystalline Solar (36 Cells)

- ✓ High-performance solar modules offering higher efficiency, lower installation costs
- ✓ 36 high - quality mono-crystalline cells per module
- ✓ Tested to IEC 61215, IEC 61730, CE, RoHS
- ✓ 25-year linear performance warranty
- ✓ Manufactured with international quality standards & environment management system ISO 9001 & ISO 14001, 8001

Helios Solar Works manufactures high-performance mono-crystalline and poly-crystalline solar modules for solar electric systems. We use only high-quality components and an advanced, automated manufacturing platform to offer modules that deliver higher efficiency, lower installation costs, and a smaller system footprint.

Helios Solar Works is headquartered in Milwaukee, Wisconsin. We manufacture our modules using the best materials sourced from regional and partner manufacture

TYPE

CHN 36 P

CHARACTERISTICS

Dimension: 1,480 mm x 670 mm
(58.267" x 26.37")
Area: 0.99m² (10.65 Sq Ft)
Thickness: 40 mm (1.57")
Weight: 13 kg (28.66 lbs)

OUTPUT CLASSES

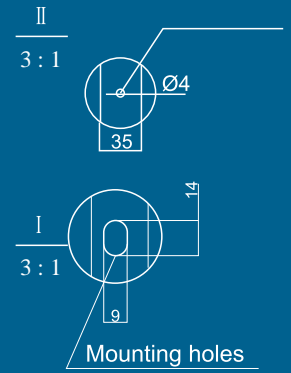
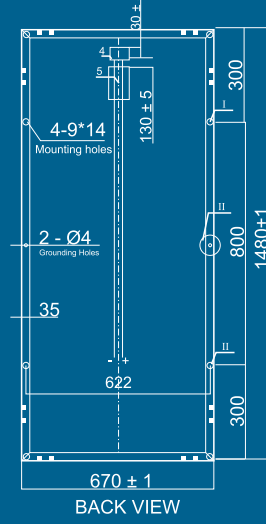
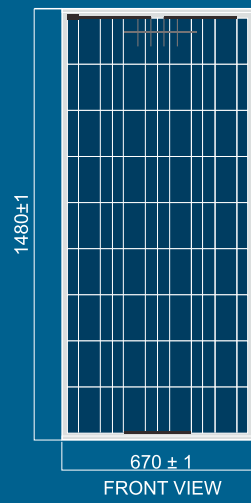
120Wp, 140Wp, 155Wp

WARRANTY

10-years manufacturing warranty
12-years warranty 90% power output
25-years warranty 80% power output



DIMENSION



ELECTRICAL CHARACTERISTIC

	120Wp	140Wp	155Wp
Maximum Power at STC (Pmax)	= 120Wp	140Wp	155Wp
Short Circuit Current (Isc)	= 7.70A	8.39A	8.89A
Open Circuit Voltage (Voc)	= 21.6V	21.4V	22.0V
Maximum Power Current (Imp)	= 6.98A	7.83A	8.34A
Maximum Power Voltage (Vmpp)	= 17.2V	17.9V	18.6V
Module Efficiency	= 12.10%	14.12%	15.63%
Power Tolerance	= 0~+3%	0~+3%	0~+3%

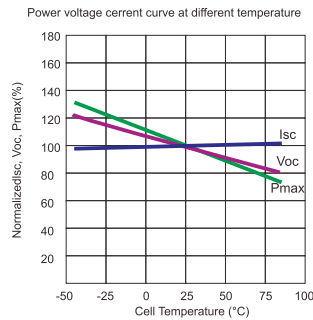
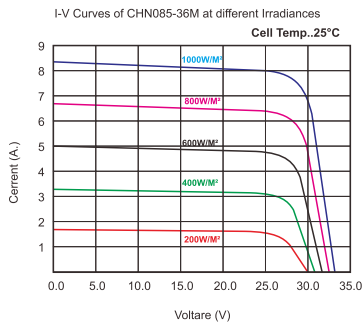
Measured at (STC) Standard Test Conditions 25° C, insolation 1,000 W/m², AM 1.5.

TEMPERATURE CHARACTERISTIC

Norminal Operating Cell Temperatur (NOCT)	= 45°C±2°C
Temperature Coefficient of Pmax	= -0.44%/°C
Temperature Coefficient of Voc	= -0.34%/°C
Temperature Coefficient of Isc	= 0.06%/°C

PACKING CONFIGURATION

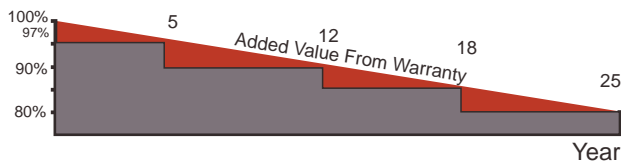
Container	= 20'GP	40'GP
Pieces per pallet	= 27	27
Pallets per container	= 14	30
Pieces per container	= 448	960



SYSTEM INTEGRATION PARAMETERS

Maximum system voltage	VDC 1000V
Maximum Series Fuse	15A
Increased snowload acc. to IEC 61215	5400Pa
Operating Temperature	-40to+85°C
Number of bypass diodes	2 or 4

INDUSTRY-LEADING WARRANTY BASED ON NOMINAL POWER



- Based on nominal power (pnom)
- 25-year transferrable power output warranty : 5 years/95%, 12 years/90%, 18 years/85%, 25 years/80%
- 10-year material and workmanship

QUALIFICATIONS AND CERTIFICATES

