

Mono-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 36M

CHARACTERISTICS

Dimension: 1,200 mm x 540 mm
(47.244" x 21.26")

Area: 0.64m² (6.88 Sq Ft)

Thickness: 30 mm (1.181")

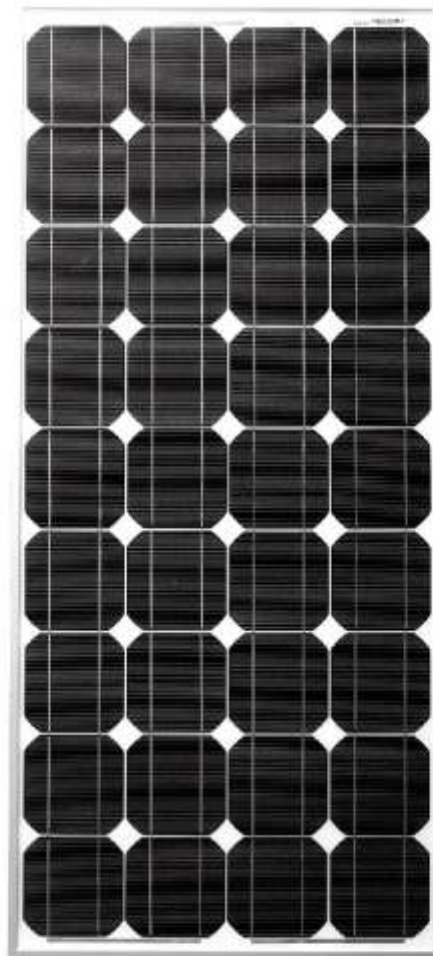
Weight: 8 kg (17.64 lbs)

OUTPUT CLASSES

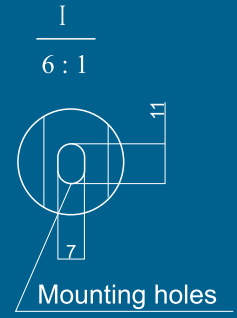
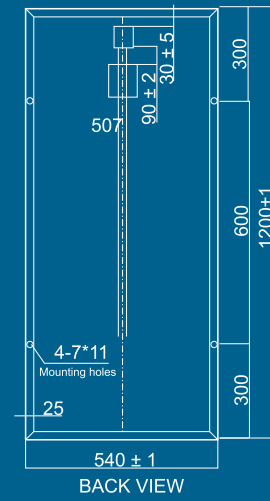
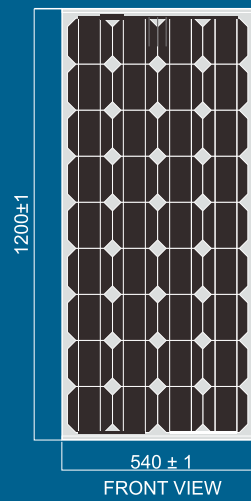
80Wp, 95Wp, 100Wp

WARRANTY

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



DIMENSION



ELECTRICAL CHARACTERISTIC

	80Wp	95Wp	100Wp
Maximum Power at STC (Pmax)	= 80Wp	95Wp	100Wp
Short Circuit Current (Isc)	= 5.00A	5.46A	5.56A
Open Circuit Voltage (Voc)	= 21.8V	22.60V	22.90V
Maximum Power Current (Impp)	= 4.55A	5.08A	5.18A
Maximum Power Voltage (Vmpp)	= 17.60V	18.72V	19.30V
Encapsulated Cell Efficiency	= 14.65%	17.39%	18.31%
Module Efficiency	= 12.35%	14.66%	15.43%
Power Tolerance	= 0~+3%	0~+3%	0~+3%

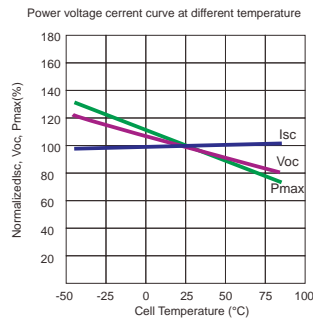
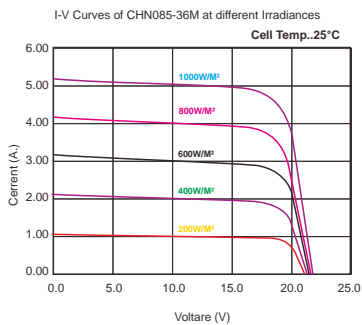
Measured at (STC) Standard Test Conditions 25° C, insolation 1,000 W/m², AM 1.5.

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

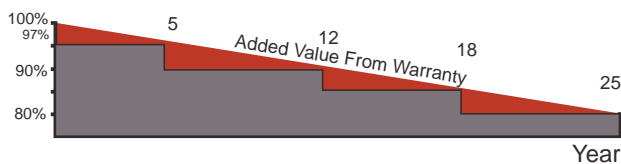
Container	= 20'GP	40'GP
Pieces per pallet	= 34	34
Pallets per container	= 24	54
Pieces per container	= 816	1836



SYSTEM INTEGRATION PARAMETERS

Maximum system voltage	DC 1000V
Maximum Series Fuse	10A
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/8-%
- 10-year material and workmanship

QUALIFICATIONS AND CERTIFICATES

