HELIOS
SOLAR WORKS

MADE IN MILWAUKEE.
MADE FOR YOU.

6T SERIES

- High-performance solar modules offering higher efficiency, lower installation costs
- 60 high-quality mono-crystalline cells per module
- Tested to UL 1703 and CEC with a Class C fire rating
- 25-year warranty of 90 percent of minimum rated power for 10 years and 80 percent for an additional 15 years
- Manufactured end-to-end in Milwaukee, Wisconsin (USA) using Helios Solar Works advanced, automated platform

Helios Solar Works manufactures high-performance mono-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 materials sourced from regional and U.S. suppliers whenever possible.

CATEGORY

Mono-crystalline Solar (60 Cell)

CHARACTERISTICS

Dimension:	1,680 mm x 990 mm (66.14" x 38.98")
Area:	1.66 m^2 (17.87 Sq Ft)
Thickness:	40 mm (1.58")
Weight:	22.5 kg (49.5 lbs)

OUTPUT CLASSES

255, 250, 245, 240

WARRANTY

25-year limited power warranty

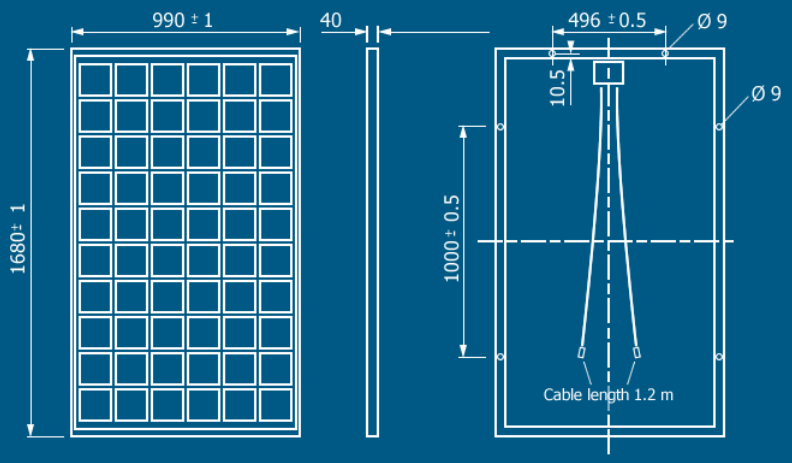
Year 1-10:	90 percent
Year 11-25:	80 percent

10-year workmanship warranty

Helios USA, LLC
1207 W. Canal Street, Milwaukee, WI 53233
www.heliossolarworks.com

sales@helios-usa.com
877.443.5467 ext. 11

6T SERIES



ELECTRICAL DATA STC		6T 255	6T 250	6T 245	6T 240
Rated Power PMPP (W)	=	255	250	245	240
MPP Voltage (V)	=	30.65	30.30	30.03	30.00
MPP Current (A)	=	8.32	8.22	8.18	8.00
Open Circuit Voltage (V)	=	37.5	37.40	37.26	36.80
Short Circuit Current (A)	=	8.86	8.72	8.71	8.70

Measured at (STC) Standard Test Conditions 25° C, insolation 1,000 W/m^2, AM 1.5.

ELECTRICAL DATA NOCT		6T 255	6T 250	6T 245	6T 240
Rated Power PMPP (W)	=	187.00	183.00	179.00	175.00
MPP Voltage (V)	=	27.50	27.30	27.10	27.00
MPP Current (A)	=	6.80	6.70	6.60	6.50
Open Circuit Voltage (V)	=	34.60	34.50	34.40	34.30
Short Circuit Current (A)	=	7.30	7.25	7.20	7.15

Nominal Operating Cell Temperature (NOCT) values are typical values, 45°C.

Typical cell temperature: insolation 800W/m^2, ambient temperature 20°C, wind speed 1m/s.

OTHER ELECTRICAL PARAMETERS

System Voltage (V)	=	600/1,000	Temp. Coefficient PMPP (% / °C)	=	-0.44
Temp. Coefficient ISC (% / °C)	=	0.07	Temp. Coefficient UOC (% / °C)	=	-0.34

DESIGN

Cells	=	60 mono-crystalline, 3 bus bar	Backside	=	Multilayer sheet
Cell Dimensions	=	156 mm x 156 mm, pseudo-square	Frame	=	Anodized aluminum (clear) or Black powder coated
Front glass	=	4mm solar glass, highly transparent and anti-reflective	Connection	=	2 x 1.2 m solar cables with multi-contact connectors (MC4)
Encapsulation	=	EVA - Solar Cells - EVA	Bypass Diodes	=	3 pieces

LIMIT VALUES

Module Temperature -40°C to +80°C

QUALIFICATIONS

IEC 61215, IEC 61730, ULC/ORD-C1703-01, CEC, FSEC

WARRANTY

25 year limited power warranty; 90 percent for 10 years, 80 percent for 15 years. Also 10 years workmanship.

PERFORMANCE OUTPUT

-0/+3 percent