



ISM – Industrial Solar Modules // ISM-10 · ISM-20 · ISM-30 · ISM-50 · ISM-85 · ISM-125 · ISM-160

High Efficiency Class 1 Division 2 Solar Modules



STARK ENERGY INDUSTRIAL SOLAR MODULES with high efficiency crystalline solar cells, offer high charge current at a voltage suitable for both summer and winter temperatures. The cells are bonded to a special tempered solar glass for watertight integrity and a deep anodized aluminum frame makes them strong and rugged for all Canadian environments.

BUILT TOUGH FOR CANADA'S TOUGHEST CLIMATES

Stark Energy solar modules feature C1D2 and cUL certifications to offer reliable battery charging in all Canadian climates. They include a large volume, conduit ready junction box for connection of your power cables. It has four ½" knockouts and a hinged gasketed lid.

MECHANICAL STRENGTH

The rugged anodized aluminum frame mates with the Fast-Rack pole, roof, and ground mounts for a strong and secure solar system. Modules may be installed in portrait or landscape.

RELIABLE

10 year mechanical warranty and 25 year power output warranty ensure your solar system delivers power to your load.



www.starkenergy.ca





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ELECTRICAL CHARACTERISTICS

Module	ISM-10	ISM-20	ISM-30	ISM-50	ISM-85	ISM-125	ISM-160
Max Power (Pmax)	10 W	20 W	30 W	50 W	85 W	125 W	160 W
Open Circuit Voltage (Voc)	22.0 V	22.0 V	22.2 V	22.2 V	22.2 V	22.2 V	22.2 V
Maximum Power Voltage (Vpm)	17.55 V	17.55 V	18.2 V	18.5 V	18.75 V	18.75 V	18.75 V
Short Circuit Current (Isc)	0.64 A	1.27 A	1.85 A	3.04 A	5.08 A	7.49 A	9.25 A
Maximum Power Current (Ipm)	0.57 A	1.14 A	1.65 A	2.71 A	4.53 A	6.67 A	8.55 A
Max Series Fuse Rating	12 A	12 A	12 A	12 A	12 A	12 A	15 A

STC - Standard Test Conditions: Irradiation 1000 W/m² - Air mass AM 1.5 - Cell temperature 25 °C
 Calculated using maximum power

MECHANICAL CHARACTERISTICS

Module	ISM-10	ISM-20	ISM-30	ISM-50	ISM-85	ISM-125	ISM-160
Dimensions (H x W x D)	355 x 255 x 34 mm	455 x 380 x 34 mm	435 x 670 x 34 mm	535 x 670 x 34 mm	935 x 670 x 42 mm	1265 x 670 x 42 mm	1480 x 670 x 42 mm
Operating Temperature	-40 to 85°C / -40 to 185°F						

Visit starkenergy.ca for module drawings

WARRANTY

10 Year limited warranty on material and workmanship

25 Year Power Guarantee

Years 0 - 10 > 90%

Years 10 - 25 > 80%



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