

LEXRON-60

265/270/275/280/285P

LEXRON

Renewable Energy Systems

All-Purpose Module

LEXRON-60 is a robust solar module with 60 solar cells. These modules can be used for on-grid solar applications. Our meticulous design and production techniques ensure a high-yield, long-term performance for every module produced. Our rigorous quality control and in-house testing facilities guarantee LEXRON modules meet the highest quality standards possible.

Polycrystalline Silicon Solar Modules

Features



High module conversion efficiency (up to 18.80%), through superior manufacturing technology



Guaranteed 0- +5W positive power output tolerance ensures high reliability



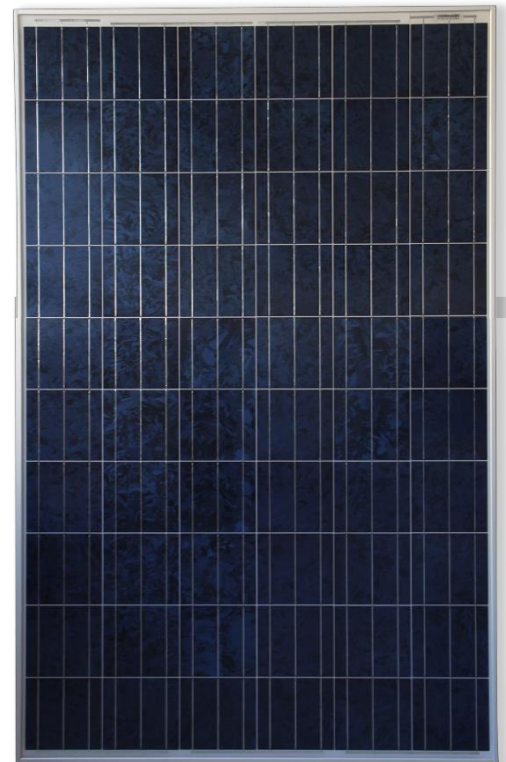
Anti-reflective, hydrophobic coating improves light absorption and reduces surface dust



Excellent performance under low light environments (mornings, evenings and cloudy days)



Entire module certified to withstand high wind loads (2400 Pascal) and snow loads (5400 Pascal)*



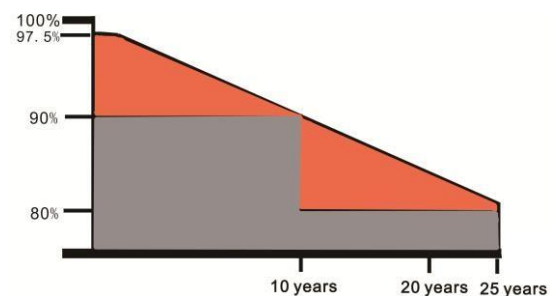
All-purpose Module

Sales network covers more than 20 countries, providing customers with instant after sales service and an efficient supply-chain, our clients can be found throughout the world, such as Europe, Oceania, Eastern Europe, East Asia, Middle East and Africa etc. LEXRON's team works closely with our customers to provide them with solutions for all their solar needs.



LEXRON reputation is founded on more than 200MW of high performance solar modules installed around the world.

Industry-leading warranty



- 25 year transferable power output warranty: 10year/90%; 25year/80%.
- Based on nominal power.
- 10 year material and workmanship warranty.

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Electrical Data

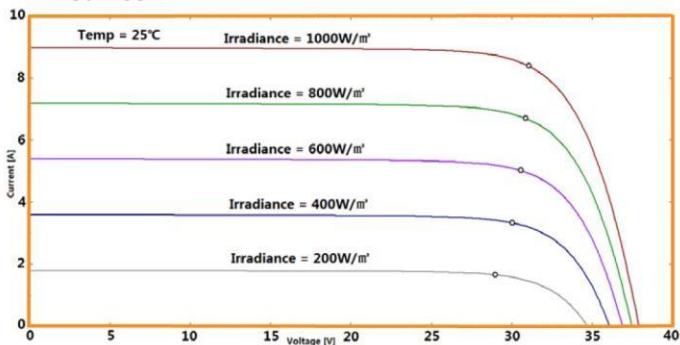
| STC | LXR-265-60 | LXR-270-60 | LXR-275-60 | LXR-280-60 | LXR-285-60 |
|----------------------------|---------------------|------------|------------|------------|------------|
| Nominal Maximum | 265W | 270W | 275W | 280W | 285W |
| Optimum Operating | 30.8V | 31.0V | 31.2V | 31.2V | 31.3V |
| Optimum Operating | 8.60A | 8.71A | 8.81A | 8.97A | 9.10A |
| Open CIRCUIT voltage(Voc) | 37.5V | 37.7V | 37.8V | 37.8V | 37.8V |
| Short Circuit Current(Isc) | 9.08A | 9.43A | 9.43A | 9.50A | 9.53A |
| Module Efficiency | 18.20% | 18.60% | 18.80% | 19.00% | 19.20% |
| Operating Temperature | -40°C~+85°C | | | | |
| Maximum System Voltage | 1000V(IEC)/600V(UL) | | | | |
| Maximum Series Fuse Rating | 15A | | | | |
| Application Classification | Class A | | | | |
| Power Tolerance | 0 ~ + 5W | | | | |

Under Standard Test Conditions (STC) of irradiance of 1000W/m², spectrum AM 1.5 and cell temperature of 25°C

| NOCT | LXR-265-60 | LXR-270-60 | LXR-275-60 | LXR-280-60 | LXR-285-60 |
|---------------------------------|------------|------------|------------|------------|------------|
| Nominal Maximum Power (Pmax) | 198W | 202W | 205W | 208W | 211W |
| Optimum Operating Voltage (Vmp) | 30.0V | 30.2V | 30.4V | 30.4V | 30.5V |
| Optimum Operating Current (Imp) | 6.60A | 6.69A | 6.74A | 6.84A | 6.92A |
| Open Circuit Voltage (Voc) | 34.7V | 34.9V | 35.1V | 35.1V | 35.3V |
| Short Circuit Current (Isc) | 7.15A | 7.20A | 7.24A | 7.30A | 7.38A |

Under Normal Operating Cell Temperature, irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C wind speed 1m/s

IV-Curves

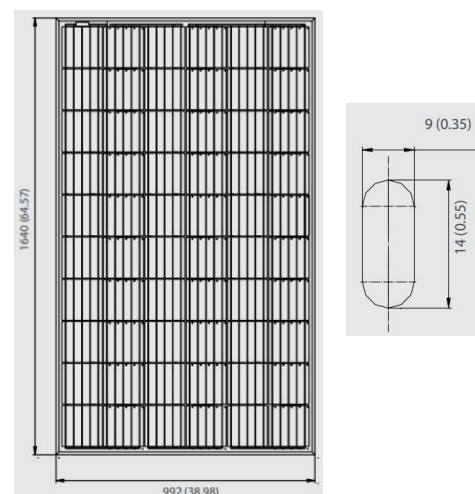
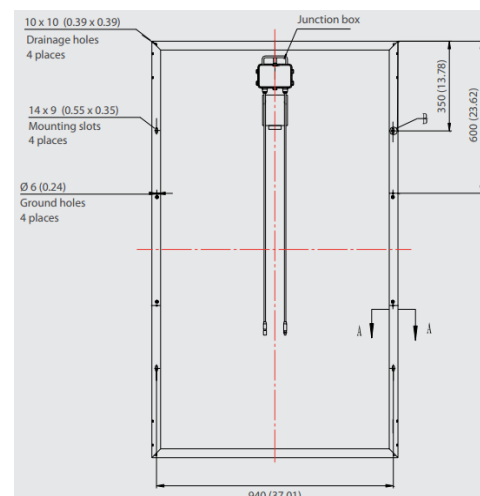


Temperature Characteristics

| | |
|---|-----------|
| Nominal Operating Cell Temperature (NOCT) | 45±2°C |
| Temperature Coefficient of Pmax | -0.43%/°C |
| Temperature Coefficient of Voc | -0.34%/°C |
| Temperature Coefficient of Isc | 0.065%/°C |

Packing Configuration

| Container | 20'GP | 40'HQ |
|-----------|-------|-------|
| Pieces | 300 | 832 |



Mechanical Data

| | |
|---|--|
| Cell Type | Poly-crystalline 156.75x156.75mm, 4 or 5BB |
| Cell Arrangement | 60 (6x10) |
| Dimensions | 1640 x 990 x 35mm (64.57 x 38.98 x 1.38in) |
| Weight | 19kg |
| Front Cover | 3.2mm Tempered Glass |
| Frame Material | Anodized Aluminum Alloy |
| J-BOX | IP67, 6 Diodes |
| Cable | 4mm2(IEC)/12AWG(UL),900mm |
| Connectors | MC4 or MC4 Comparable |
| Standard Packaging (Modules per Pallet) | 30pcs |
| Module Pieces per container (40HQ) | 832pcs (40'HQ) |

LEXRON® is registered trademark of ACS Energy and Technology LTD STI

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