

60 CELL POLYCRYSTAL DATASHEET

LEXRON

FOR A LIVEABLE WORLD



**FULL CELL
60 CELL**

POLYCRYSTALLINE MODULE

265-285W

POWER OUTPUT RANGE

17.10%

MAXIMUM EFFICIENCY

0~+5W

BINNING TOLERANCE

5BB

MULTI BUSBAR

PERC CELL TECHNOLOGY

SYSTEM CERTIFICATES

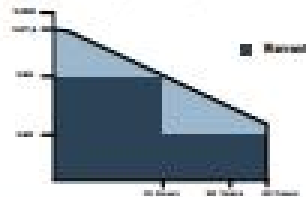
- IEC61215 / IEC61731 / IEC61831 / IEC61854
- ISO 9001: Quality Management System
- ISO 14001: Environmental Management
- ISO 45001: Occupational Health and Safety

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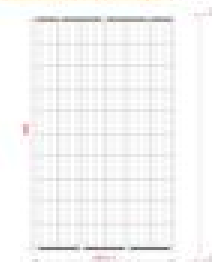
- HIGH POWER MODULE**
High module conversion efficiency (up to 17.20%), through superior manufacturing technology.
- POSITIVE TOLERANCE**
Cell forward P+ -4.5W positive power output tolerance, ensuring high reliability.
- SELF-CLEANING**
Anti-reflective, high optical coating improves light absorption and reduces soiling loss.
- STRONG AIR RESISTANCE**
Module is made certified to withstand high wind loads (1700 Pa) and snow loads (5500 Pa/m²).
- HIGH PERFORMANCE**
Excellent performance under low light environments (low clouds, overcast and cloudy days).

Industry-leading warranty



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DESCRIPTION OF PV MODULE DESIGN



PERFORMANCE CHARACTERISTICS



ELECTRICAL DATA (STC)

Series Number	265W	270W	275W	280W	285W
Rated Power (P _{max})	265W	270W	275W	280W	285W
Maximum Voltage (V _{oc})	37.2V	37.5V	37.8V	38.1V	38.4V
Open Circuit Voltage	44.5V	45.0V	45.5V	46.0V	46.5V
Maximum Current (I _{sc})	8.25A	8.35A	8.45A	8.55A	8.65A
Module Efficiency	18.5%	18.8%	19.1%	19.4%	19.7%
Operating Temperature	-40°C ~ +85°C				
Maximum System Voltage	1500V (IEC61854)				
Maximum System Current	15A				
Maximum Power Point Tracking	Class B				
Power Tolerance	± 0.5%				

Mechanical Data

Cell Size	156mm x 156mm x 0.175mm (6.1418")
Cell Spacing	0.5mm
Dimensions	1660mm x 992mm
Weight	11.5kg
Frame Color	Black / Silver / White
Frame Material	Aluminum Extrusion 6063
P-Cell	PERC 156mm x 156mm
EMC	Electromagnetic Interference (EMC) Class B
Connectors	MC4 or MC3 Connectors
Backsheet Material (Minimum Panel)	3mm
Module Power per square meter (W/m ²)	165W/m ² (40Wp)

Temperature Coefficient

Series Temperature Coefficient (P _{max})	-0.45%/°C
Temperature Coefficient (V _{oc})	-2.00%/°C
Temperature Coefficient (I _{sc})	0.05%/°C
Temperature Coefficient (η)	-0.45%/°C

WARRANTY

- 25-year Product Performance Warranty
- 10-year Power Output Warranty
- 12-year Anti-Peeling Warranty
- 5-year Glass Fracture Warranty

