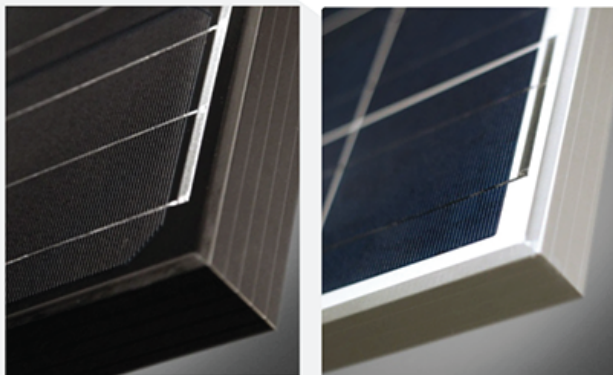




Model: **MC255-290ENx**

Premium modules of MERCURY series with varied power ratings are suitable for all types of systems, from small-scale private roof systems to large-scale solar power farms.



ISO 9001:2008 & ISO 14001
management systems



IEC 61215 & IEC 61730
standard quality



0-5 W positive power sorting



Stable performance under
weak light conditions



Wind load up to
3800 Pa / Snow load up to
5400 Pa



Salt mist and ammonia corrosion
tests passed



MONO

STC	MC-270M	MC-275M	MC-280M	MC-285M	MC-290M
Maximum Power (P_{max})	270W	275W	280W	285W	290W
Open Circuit Voltage (V_{oc})	38.2V	38.3V	38.5V	38.7V	38.9V
Short Circuit Current (I_{sc})	9.17A	9.25A	9.37A	9.49A	9.60A
Voltage at Maximum Power (V_{mpp})	31.0V	31.3V	31.5V	31.7V	31.9V
Current at Maximum Power (I_{mpp})	8.71A	8.79A	8.89A	8.99A	9.09A
Module Efficiency (%)	16.60%	16.90%	17.20%	17.52%	17.83%

STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5;

Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

Mechanical Characteristics

Solar Cell	156x156mm (6inches)
No. of Cells	60 (6 × 10)
Dimensions	1640 × 992 × 40mm
Weight	20.0 kgs
Front	Glass 3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP65/IP67 rated (3 bypass diodes)
Output Cables	TÜV (2Pfg 1169:2007), UL 4703, 4.0 mm ² , symmetrical length (-) 900mm and (+) 900mm
Connectors	MC 4 compatible
Mechanical load test	5400Pa

Operating Module Temperature	-40 °C to +85 °C	
Maximum System Voltage	1500VDC(IEC)/600VDC(UL)	
Maximum Series Fuse Rating	15 A	
Power Tolerance	0/+5W	
Temperature Charateristics		
Nominal Operating Cell Temperature (Noct)	45±2°C	
Temperature Coefficient of P _{max}	-0.42 %/°C	
Temperature Coefficient of V _{oc}	-0.32 %/°C	
Temperature Coefficient of I _{sc}	0.05 %/°C	
Packing Configuration		
Container	20' GP	40' GP
Pieces per pallet	26	29
Pallets per container	12	28
Pieces per container	312	812

POLY

STC	MC-255P	MC-260P	MC-265P	MC-270P	MC-275P
Maximum Power (P_{max})	255W	260W	265W	270W	275W
Open Circuit Voltage (V_{oc})	37.3V	37.4V	37.5V	38.2V	38.2V
Short Circuit Current (I_{sc})	9.00A	9.11A	9.21A	9.30A	9.35A
Voltage at Maximum Power (V_{mpp})	30.2V	30.4V	30.5V	30.9V	30.9V
Current at Maximum Power (I_{mpp})	8.43A	8.55A	8.68A	8.74A	8.90A
Module Efficiency (%)	15.67%	15.98%	16.29%	16.60%	16.90%

