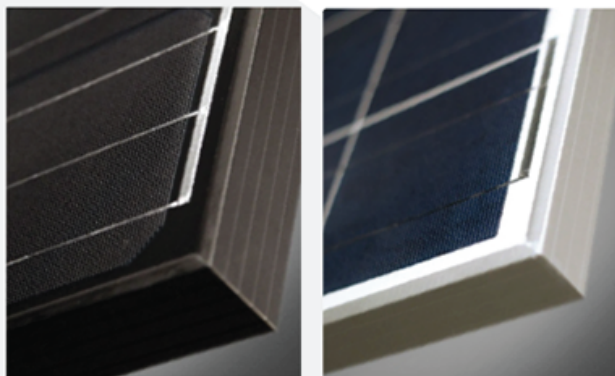




Model: **MC305-345EN**

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-330M	MC-335M	MC-340M	MC-345M
Maximum Power (P _{max})	330W	335W	340W	345W
Open Circuit Voltage (V _{oc})	44.2V	44.2V	44.4V	44.6V
Short Circuit Current (I _{sc})	9.62A	9.77A	9.88A	9.94A
Voltage at Maximum Power (V _{mpp})	36.3V	36.3V	36.5V	36.7V
Current at Maximum Power (I _{mpp})	9.09A	9.23A	9.34A	9.40A
Module Efficiency (%)	17.01%	17.27%	17.52%	17.78%

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	72 (6 × 12)
Dimensions	1956 × 992 × 40mm
Weight	23.0 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	1500V DC (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	26
Pallets per container	10	22
Pieces per container	260	572

POLY

STC	MC-305P	MC-310P	MC-315P	MC-320P
Maximum Power (P _{max})	305W	310W	315W	320W
Open Circuit Voltage (V _{oc})	45.3V	45.3V	45.5V	45.5V
Short Circuit Current (I _{sc})	8.94A	9.07A	9.17A	9.32A
Voltage at Maximum Power (V _{mpp})	36.5V	36.5V	36.7V	36.7V
Current at Maximum Power (I _{mpp})	8.35A	8.49A	8.58A	8.72A
Module Efficiency (%)	15.71%	15.97%	16.23%	16.48%

