

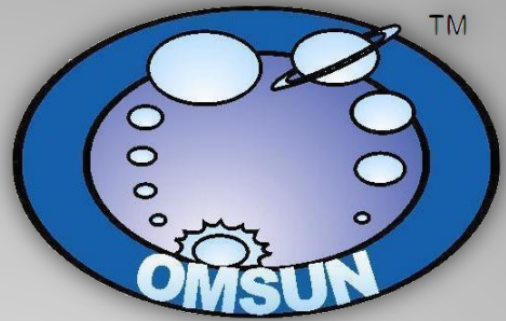
15.69%
Efficiency

0~4.99W
Tolerance

TÜV
Certified

10 Year
Warranty

25 Year
Performance



Domtesol



Poly-crystalline Solar Modules

OM240-255Wp

www.omsunpower.com

PRIME SERIES

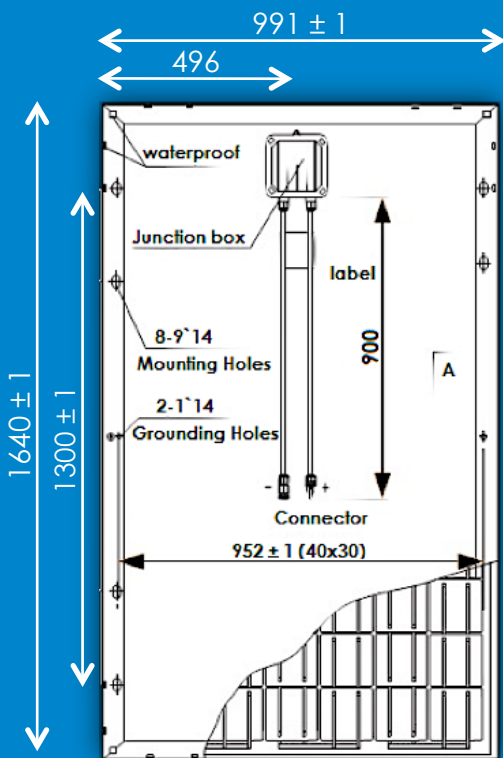
OM240-245-250-255W

Poly-crystalline Solar Modules

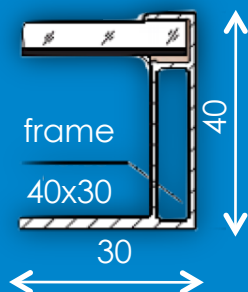
Available in:

- ✓ Classic Poly Silver
- ✓ Classic Poly Black
- ✓ Full Poly Black

Module Dimension:



Frame Dimension:



HIGH QUALITY PRODUCTS

DESIGNED & ENGINEERED IN GERMANY

Product Details

- German Design & Engineering
- High Efficiency Modules (up to 15.69%)
- EL Tested Quality
- High Annual Energy yield
- High PID resistance
- High Thermal Resistance
- Outstanding Performance at low irradiance
- Extra Strong Anodized Aluminium frame
- Long life performance durability up to 30 years

Warranty

- 10 years workmanship warranty
- 10 years 90% power warranty
- 25 years 80% power warranty

Partners

- Designed in Germany
- Assembled in India
- Marketed from Czech Republic



Certifications & Standards

- Germany Approved Quality
- SGS-TÜV Saar Factory Inspection
- IEC 61215:2005, IEC 61730-1:2013, IEC 61730-2:2007
- IEC 61701:1995 Salt Mist Corrosion Test



ELECTRICAL CHARACTERISTICS

Model	OM240	OM245	OM250	OM255
Peak Power Pmpp	240W	245W	250W	255W
Voltage at Vmpp	30.38V	30.86V	31.36V	31.80V
Current at Impp	7.90A	7.94A	7.98A	8.02A
Open Circuit Voltage Voc	38.22V	38.32V	38.41V	38.50V
Short Circuit Current Isc	8.43A	8.47A	8.51A	8.55A
Solar Cell Efficiency	16.60%	16.80%	17.20%	17.60%
Module Efficiency	14.76%	15.07%	15.38%	15.69%
Standard Test Condition (STC)	Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass 1.5			

NORMAL OPERATING CELL TEMPERATURE (NOCT)

Model	OM240	OM245	OM250	OM255
Peak Power Pmpp	175.68W	179.34W	183W	186.66W
Voltage at Vmpp	27.78V	28.32V	28.82V	29.20V
Current at Impp	6.32A	6.33A	6.35A	6.39A
Open Circuit Voltage Voc	35.27V	35.36V	35.45V	35.53V
Short Circuit Current Isc	6.74A	6.77A	6.80A	6.84A
NOCT Condition	Irradiance 800W/m ² , Cell Temperature 20°C, Air Mass 1.5			

INTERNATIONAL STANDARD COMPONENTS

Type	Specification	Characteristics
Cell Material	Poly-crystalline	3-Busbar/4-Busbar high efficiency
Front Cover	Solar Glass	High Light Transmittance
Backside Cover	Polymer	Best Protection from UV, Moisture
Encapsulant Film	Ethylene-vinyl acetate	High Gel Content

TEMPERATURE COEFFICIENT

Temp. Coefficient at Isc	0.072 (%/k)
Temp. Coefficient at Voc	-0.338 (%/k)
Temp. Coefficient at Pmpp	-0.44 (%/k)
Normal Operating Cell Temperature (NOTC)	45±2°C
Degradation (% per year)	0.60%
Measured Power Tolerance	±3%
Maximum System Voltage	1000V
Application Class	Class A
Operating Module Temperature	-40 to +85°C

MECHANICAL CHARACTERISTICS

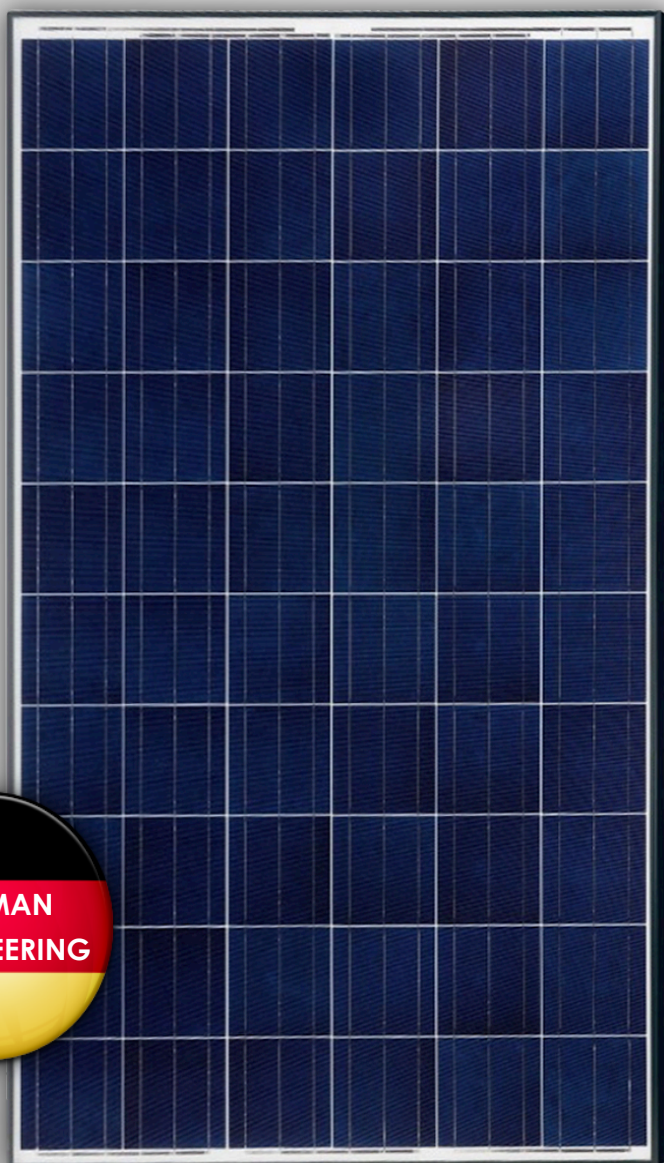
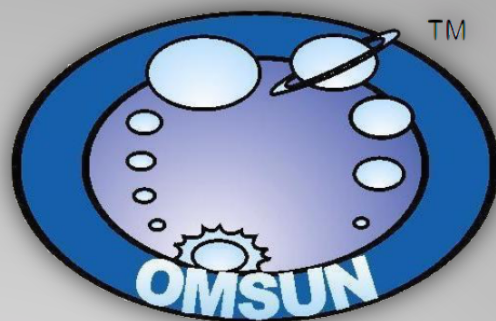
Dimensions	1640mm x 991mm x 40mm
Weight	20.5kg
No. of Cells	60 cells (156mm x 156mm)
Glass	3.2mm Low iron tempered glass
Frame	Extra Strong Anodized Aluminium frame
Mounting Holes	4 x 4
By-Pass Diodes	3,6
Junction Box	IP65
Connectors	IP67, MC4 Compatible
Cables	1000 mm
Cross-section Area	4mm ²
Maximum Snow Load	5400Pa
Maximum Wind Load	2400Pa

PACKAGING CONFIGURATION

Per Pallet	25 pieces
Per 20 FT Container	300 pieces x 12 pallets
Per 40 FT Container	700 pieces x 28 pallets

GERMAN
TECHNOLOGY

ROBUST
PERFORMANCE



GERMAN
ENGINEERING

OM POLY 60 CELLS

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