

OS PERC 25

Mono Crystalline PV Module

300Wp 24V

RAL-300M60M5B

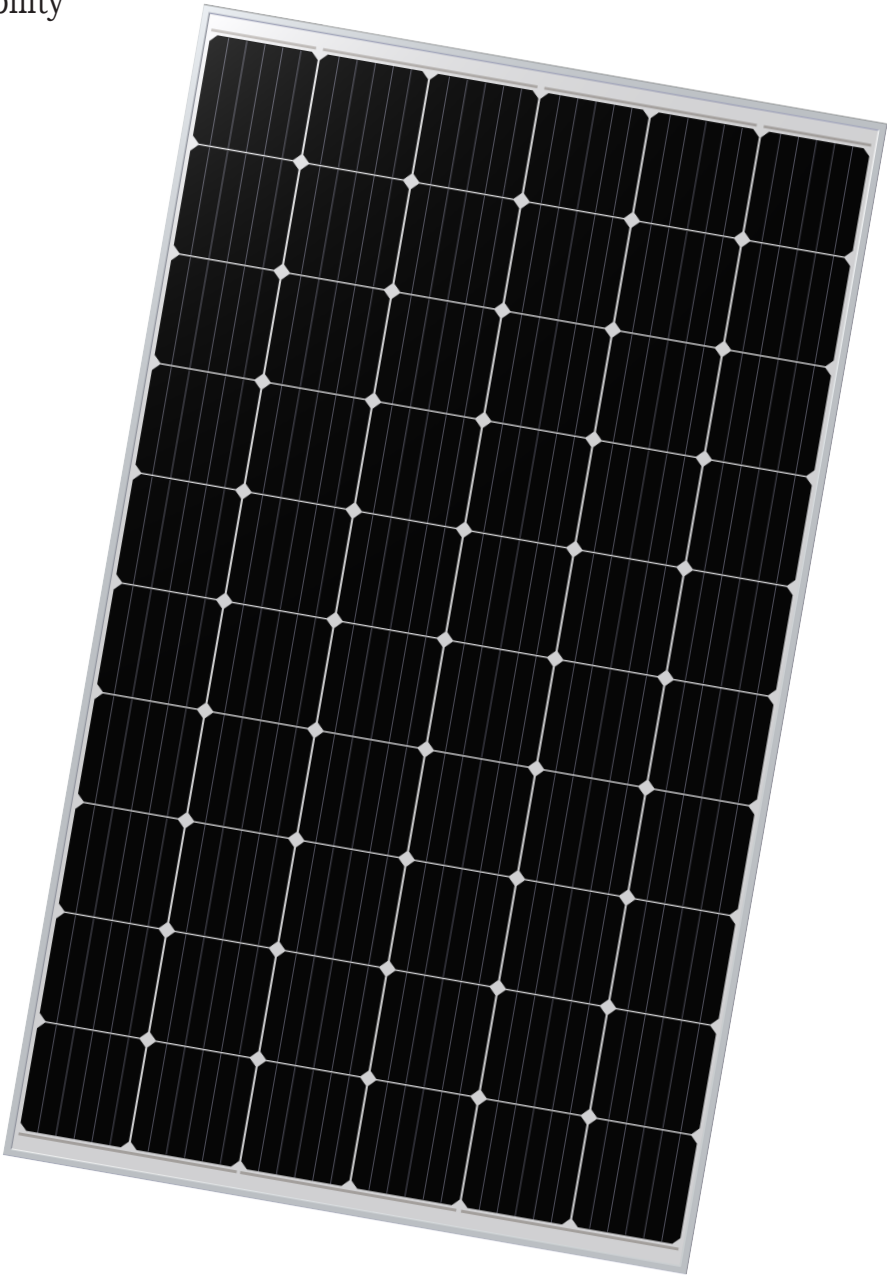
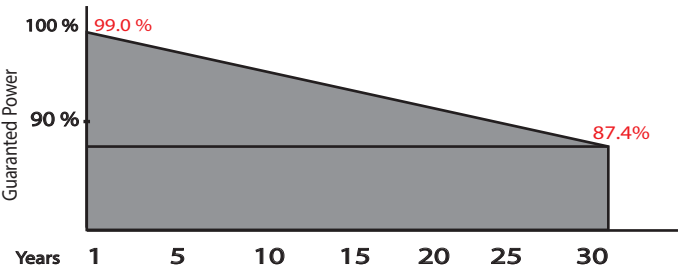
- 100 % EL Test to Ensure Error Free Module
- High Conversion Efficiency With High Reliability
- Uniform Electrical Performance
- Excellent Power Generation
- Excellent Anti-PID Performance
- Low Hot Spot Effect
- High Salt Mist Resistance

 12 Years Product Warranty

 30 Years Linear Power Warranty

 1% Degradation for 1st year
 0.4% Annual Degradation Over 30 years.

Linear power performance graph



Complete System and Product Certifications

IEC 61215, IEC 61730, IEC 61701, IEC 62804, UL 61730
 ISO9001:2015: Quality Management System
 ISO14001:2015: Environmental Management System
 ISO45001:2018: Occupational Health and Safety

RAL-300M60M5B 300 Watt

Mechanical Characteristics

Cell Type	Mono-crystalline PERC, 156 x 156mm
No. of Cells	60 (6*10)
Junction Box	IP67, 3-Diodes
Cable Cross-section size	4mm ²
Cable Length	±900mm (Cable can be customized)
Front Glass	3.2mm (High transmission, low iron tempered glass)
Encapsulant Material	POE/EVA
Protection Class	Class II
Fire Performance	Class C
Frame	Anodized Aluminium Alloy
Weight	17.5 kg
Module Dimensions	1640 x 990 x 30mm

*MC4 and MC4-EVO2 available upon request to availability

Packaging Configuration

Pallet Dimensions (L x W)	1680 x 1120mm
Packaging Configuration	36pcs/pallet, 432pcs/20' & 1008pcs/40' Container

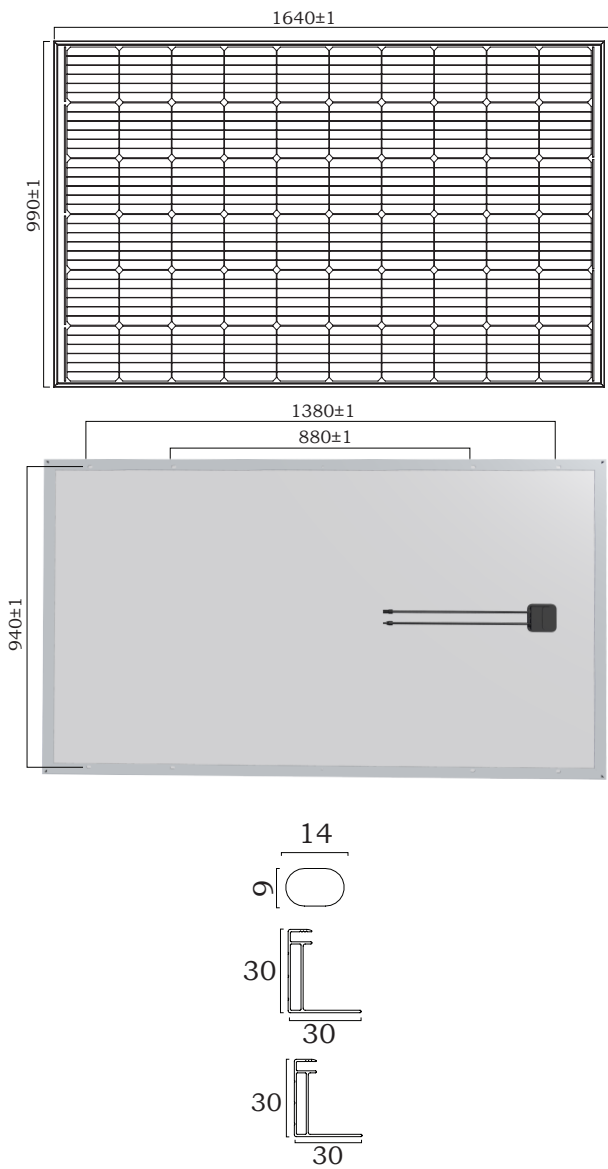
Specifications (STC)

Maximum Power - Pmax [Wp]	300
Maximum Power Voltage - Vmp [V]	32.85
Maximum Power Current - Imp [A]	9.16
Open-circuit Voltage - Voc [V]	41.02
Short-circuit Current - Isc [A]	9.81
Module Efficiency STC (%)	18.71
Power Tolerance	±3%
Temperature Coefficient of Pmax	-0.38%/°C
Temperature Coefficient of Voc	-0.36%/°C
Temperature Coefficient of Isc	0.07%/°C

Operating Conditions

Maximum System Voltage	1000 VDC (IEC)
Maximum Series Fuse Rating	20 A
Operating Temperature	- 40°C~+85°C
Voc and Isc Tolerance	±3%
Front Side Maximum Static Load	5400 Pa
Back Side Maximum Static Load	2400 Pa
NOCT	45±2°C

Engineering Drawing



STC: ☀ Irradiance 1000W/m²

🌡 Cell Temperature 25°C

☁ AM=1.5

Electrical Performance

