

OS PERC 25

Mono Crystalline PV Module

50Wp 12V

RAL-50M11M5B

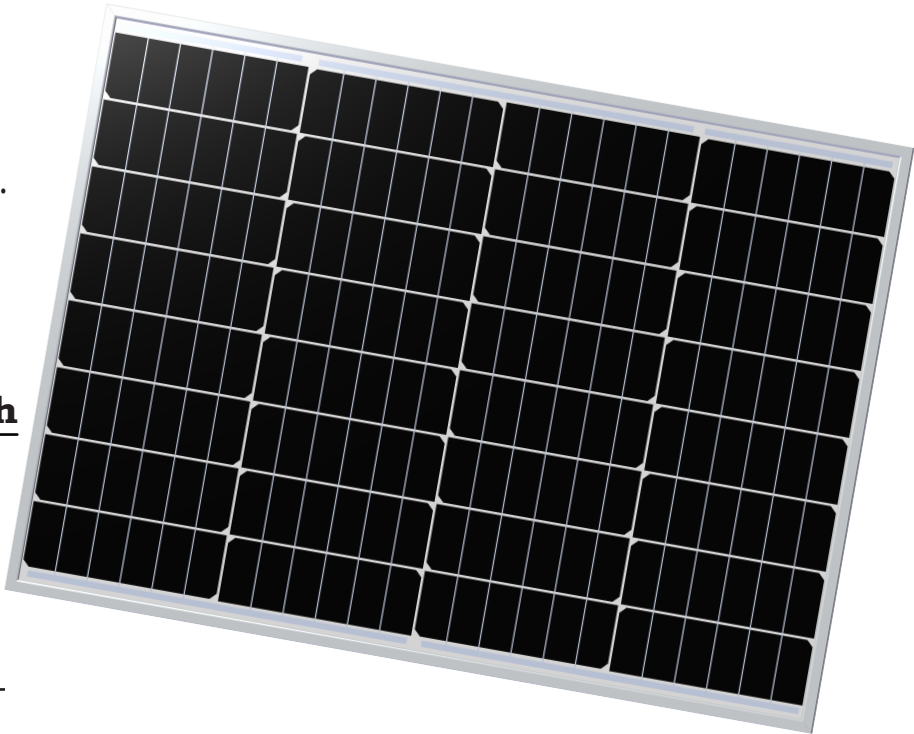
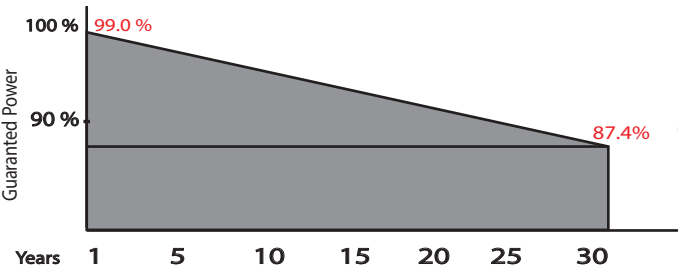
- 100 % EL Test to Ensure Error Free Module
- High Conversion Efficiency With High Reliability
- Uniform Electrical Performance
- Excellent Power Generation
- Excellent Anti-PID Performance
- Low Hot Spot Effect
- High Salt Mist Resistance

 12 Years Product Warranty

 30 Years Linear Power Warranty

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

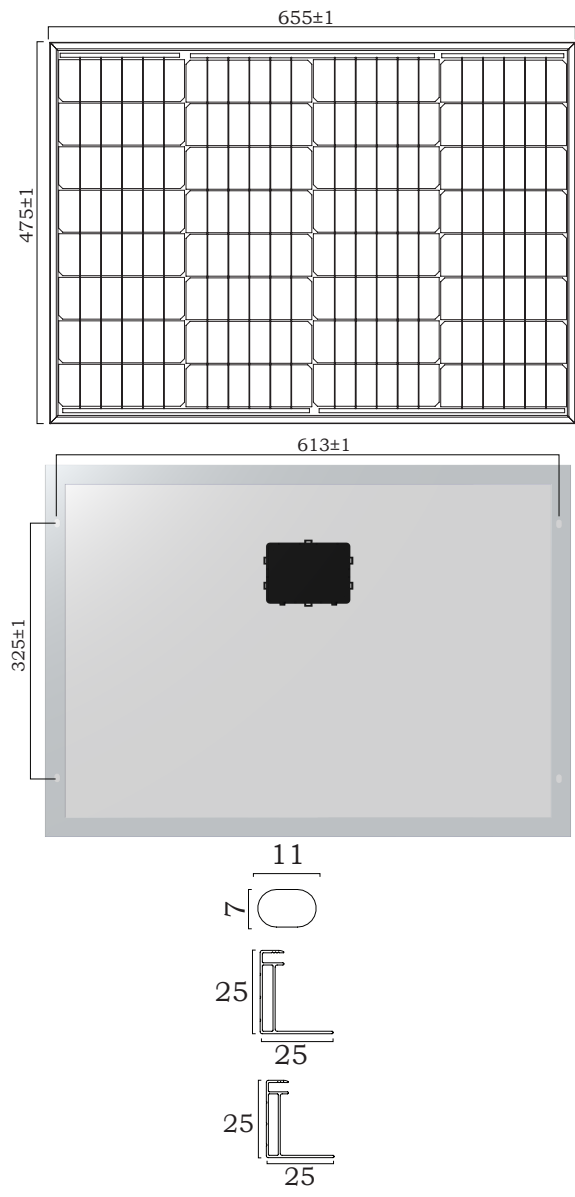
Linear power performance graph



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

Engineering Drawing



Packaging Configuration

Pallet Dimensions (L*W*H)	1400 x 1100 x 2100 mm
Packaging Configuration	200pcs/pallet, 1600pcs/20' & 320pcs/40' Container

Specifications (STC)

Maximum Power - Pmax [Wp]	50
Maximum Power Voltage - Vmp [V]	17.45
Maximum Power Current - Imp [A]	2.87
Open-circuit Voltage - Voc [V]	21.07
Short-circuit Current - Isc [A]	3.04
Module Efficiency STC (%)	18.82
Power Tolerance	±5W
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	10 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

STC: Irradiance 1000W/m²

Cell Temperature 25°C

AM=1.5

Electrical Performance

