



# SEAMAX<sup>series</sup> VL-380W-166M/120

Monocrystalline PERC Module

**1752×1038×35**      **166×83**

Module dimensions (mm)      Cell size (mm)

**120 CELL**      **355-380Wp**

Mono PERC module      Power output

**1500V DC**      **20.90%**

Max. system voltage      Max. efficiency



## KEY FEATURES

- Higher Power Output**  
Module power increases by 5-25% generally, bringing significantly lower LCOE and higher IRR. 0-5w positive tolerance output warranty.
- Most Advanced Production Technologies**  
Optimize module current profile, improve system-side power generation.
- Multi Busbar Technology**  
By improving optical utilization rate, power increases by 2~3% and efficiency increases by 0.4~0.6%.
- PID Resistance**  
Excellent Anti-PID performance guarantee via optimized mass-production process and material control.
- Low-light Performance**  
Excellent performance in low light.
- Enhanced Mechanical Load**  
Certified to withstand: wind load (2400 Pa) and snow load (5400 Pa).
- Durability Against Extreme Environmental Conditions**  
High salt mist and ammonia resistance certified by TUV NORD.
- EL Full Inspection**  
Dual stage 100% EL Inspection warranting defect-free product.

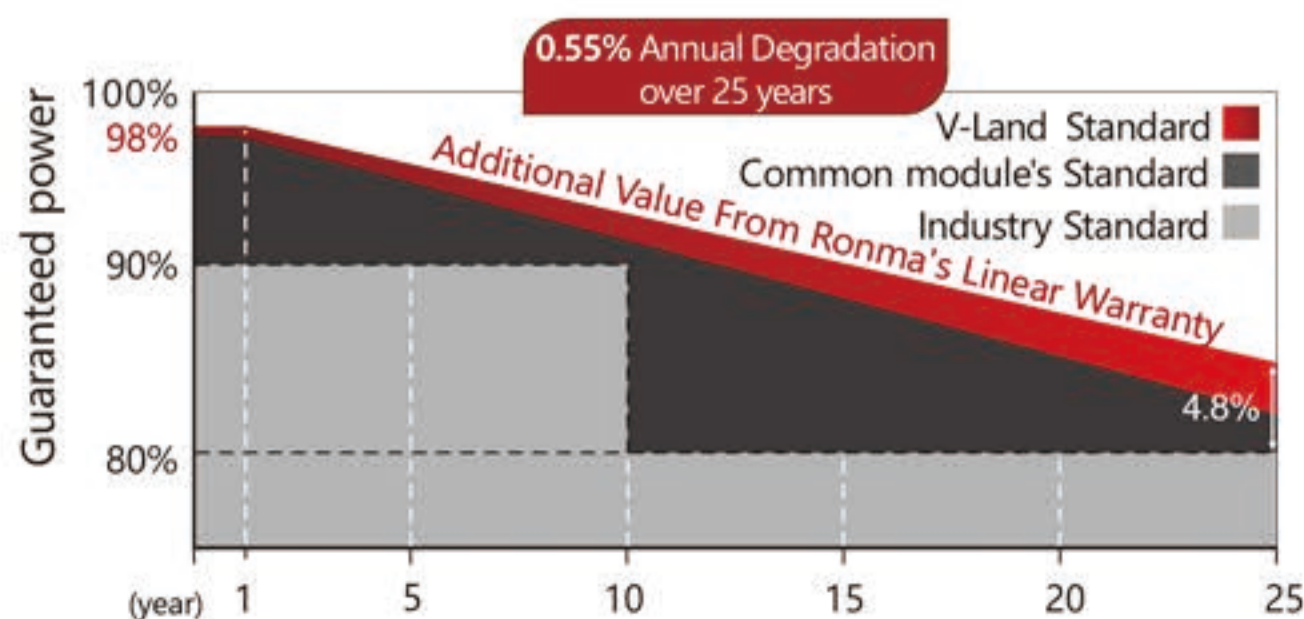


### Comprehensive Products and System Certificates

- IEC61215/IEC61730/IEC61701/IEC62716
- ISO 9001: Quality Management System
- ISO 14001: Environmental Management System
- ISO14064: Greenhouse Gases Emissions Verification
- OHSAS 18001: Occupational Health and Safety Management System

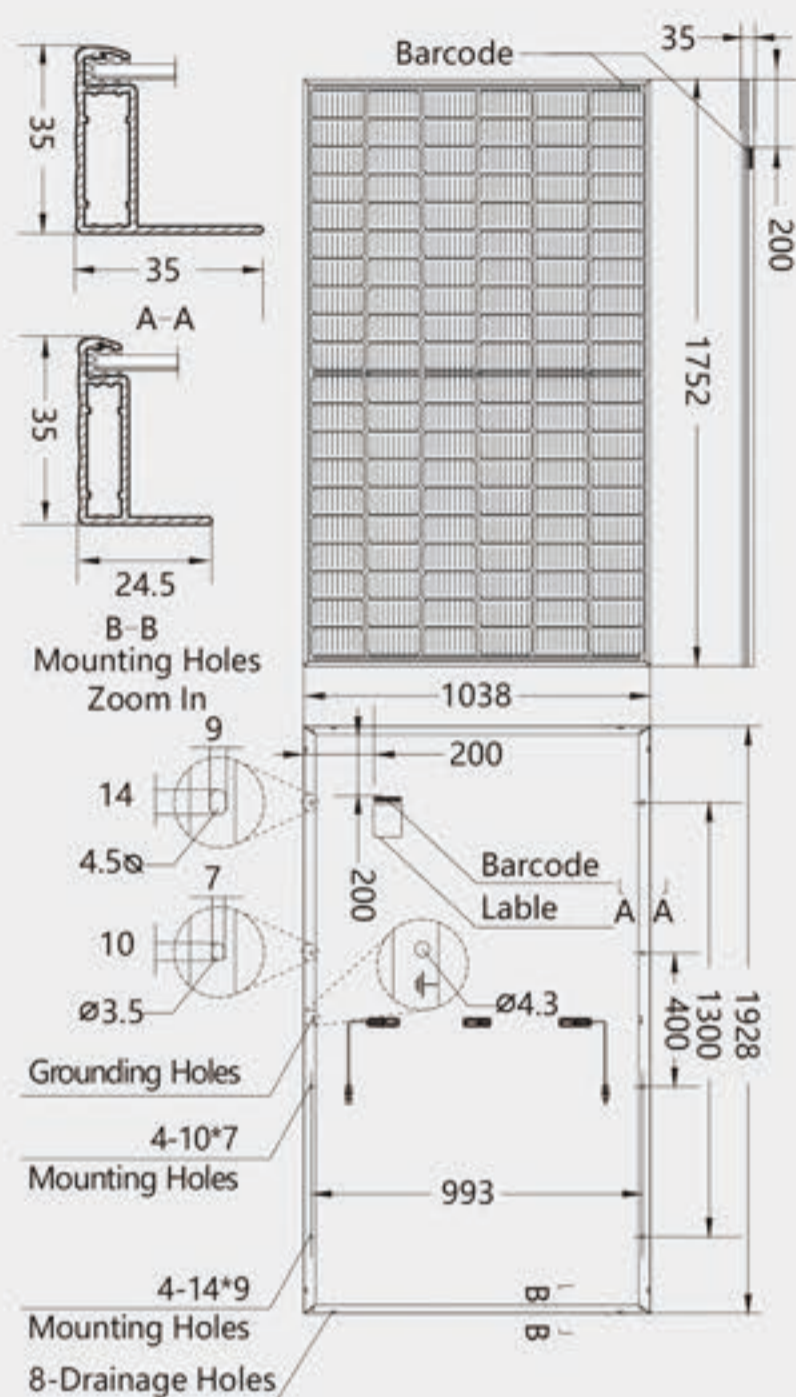
### LINEAR PERFORMANCE WARRANTY

12-year product warranty / 25-year linear power warranty



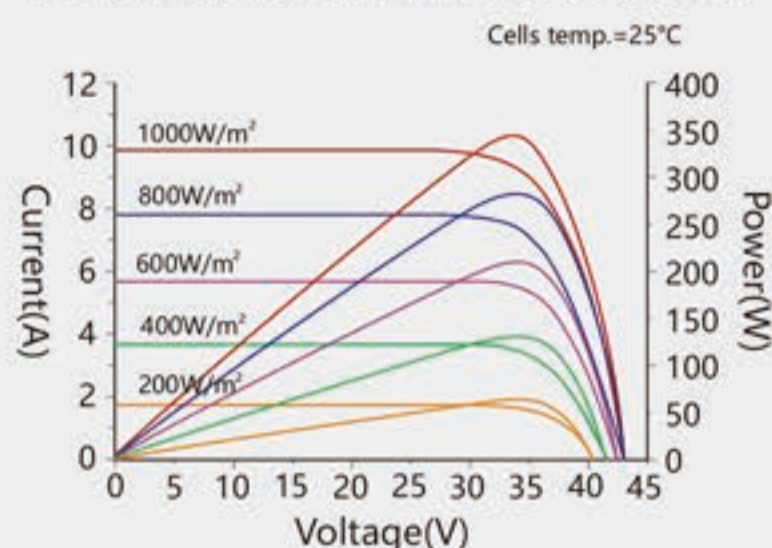
### Dimensions of PV Module

Unit: mm

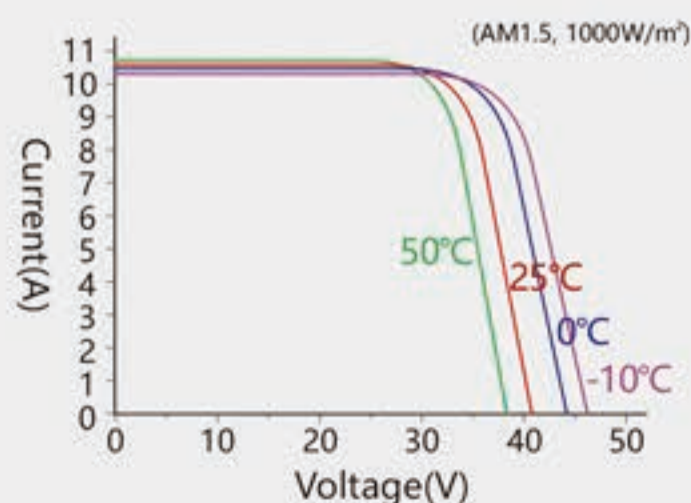


### VL-380W-166M/120

#### I-V characteristics at different irradiances



#### I-V characteristics at different temperatures



### ELECTRICAL DATA(STC)

Model Number	VL-355W-166M/120	VL-360W-166M/120	VL-365W-166M/120	VL-370W-166M/120	VL-375W-166M/120	VL-380W-166M/120
Rated Power in Watts-Pmax(Wp)	355	360	365	370	375	380
Open Circuit Voltage-Voc(V)	40.40	40.70	41.00	41.30	41.60	41.90
Short Circuit Current-Isc(A)	11.16	11.24	11.30	11.37	11.45	11.52
Max. Power Voltage-Vmpp(V)	33.40	33.60	33.90	34.20	34.40	34.70
Max. Power Current-Impp(A)	10.62	10.70	10.76	10.82	10.89	10.96
Module Efficiency(%)	19.52	19.80	20.07	20.35	20.62	20.90

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM 1.5,  
NOCT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s.

### MECHANICAL DATA

Solar Cells	Monocrystalline
Cell Size	166mm×83mm
Cell Configuration	120 cells (6×10+6×10)
Module Dimensions	1752×1038×35mm
Weight	20.0kg
Glass	High Transmission, Low Iron, Tempered ARC Glass 3.2mm
Back Sheet	White
Frame	Anodized Aluminium Alloy type 6005 T6, Silver/Black Color
J-box	PV-RM01, IP68, 1500V DC, 3 Diodes
Cables	4.0mm <sup>2</sup> , (+) 300mm, (-) 300mm ( Connector Included )
Connector	MC4-compatible

### TEMPERATURE & MAXIMUM RATINGS

Nominal Operating Cell Temperature (NOCT)	44°C ± 2°C
Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pmax	-0.36%/°C
Operational Temperature	-40°C ~ +85°C
Max. System Voltage	1500V DC
Max. Series Fuse Rating	20A

### PACKAGING CONFIGURATION

	40ft (HQ)
Number of Modules Per Container	806
Number of Modules Per Pallet	31
Number of Pallets Per Container	26
Packaging Box Dimensions (l×w×h) (mm)	1780×1130×1180
Box Gross Weight (kg)	620