

# ZION Series

Half-Cell Monofacial Module

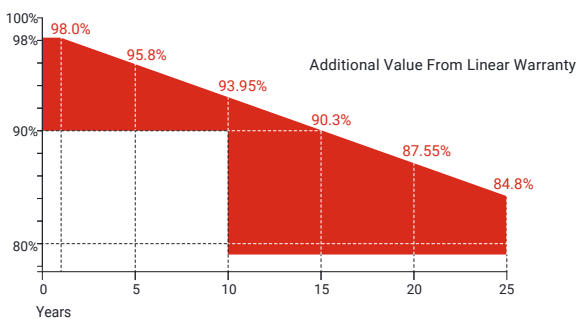
**365-380Wp** | **20.86%**  
 Module Power Output | Max Efficiency



## Key Features

- High module conversion efficiency
- Better temperature coefficient
- Super multi busbar technology
- Low attenuation long warranty
- Superior load capacity
- Aesthetic appearance
- USA based liability insurance
- Houston, Texas based company

## Warranty



**15** Years Guarantee on product material and workmanship

**25** Years Linear power output warranty

## Product Certification

IEC61215; IEC61730; UL61730	
IEC62804	PID
IEC61701	Salt Mist
IEC62716	Ammonia Resistance
IEC60068	Dust and Sand
IEC61215	Hailstone
Fire Type (UL61730): Type 1	
ISO14001:2015; ISO9001:2015; ISO45001:2018	

## About SEG Solar

Founded in 2016, SEG is a leading vertically integrated PV manufacturer headquartered in Houston, Texas, U.S., and is dedicated to delivering reliable and cost-effective solar modules to the utility, commercial and residential markets. By the end of 2023, SEG has shipped over 5 GW of solar modules worldwide. The company is expected to exceed a production capacity of 5.5 GW by the end of 2024.



Download Datasheet

## Electrical Characteristics

Module Type	SEG-365-BMB-HV		SEG-370-BMB-HV		SEG-375-BMB-HV		SEG-380-BMB-HV	
	Front STC	Front NOCT	Front STC	Front NOCT	Front STC	Front NOCT	Front STC	Front NOCT
Maximum Power -Pmp(Wp)*	365	275	370	277	375	282	380	286
Open Circuit Voltage -Voc(V)	41.40	38.60	41.60	38.80	41.80	39.00	42.00	39.20
Short Circuit Current -Isc(A)	11.26	9.10	11.34	9.17	11.42	9.22	11.50	9.28
Maximum Power Voltage -Vmp(V)	34.40	31.90	34.60	32.00	34.80	32.30	35.00	32.50
Maximum Power Current -Imp(A)	10.62	8.61	10.70	8.66	10.79	8.74	10.87	8.80
Module Efficiency(%)	20.04		20.31		20.59		20.86	
Power Tolerance(W)				(0, +4.99)				
Maximum System Voltage				1500V DC				
Maximum Series Fuse Rating				20 A				

STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25°C AM=1.5

NOCT: Irradiance 800W/m<sup>2</sup> ambient temperature 20°C module temperature 45°C wind speed: 1m/s

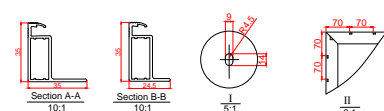
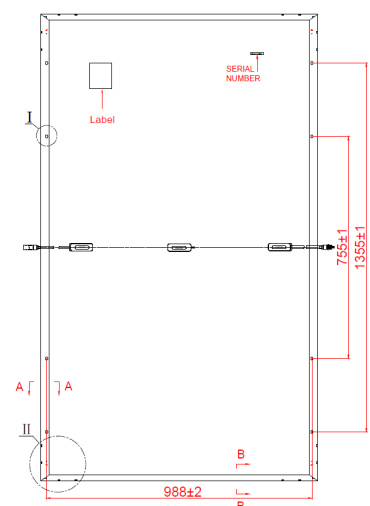
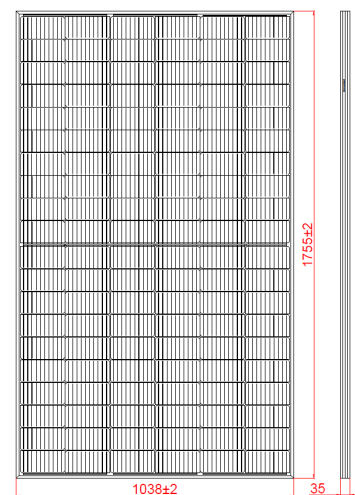
\*Measuring tolerance: ±3%

## Mechanical Specifications

External Dimension	1755 x 1038 x 35 mm
Weight	19.5 kg
Solar Cells	PERC Mono 120 pcs(60 x 2)
Front Glass	3.2 mm AR coating tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 / 3 diodes
Connector Type	PV-C002-xy or MC4
Cable Type	12 AWG PV Wire(UL)
Cable Length	Portrait: 400 mm(+) / 200 mm(-) Landscape: 1200 mm(+) / 1200 mm(-) or customized length
Mechanical Load(Front)	5400 Pa / 113 psf*
Mechanical Load(Rear)	2400 Pa / 50 psf*

\*Refer to SEG installation manual for details

## Technical Drawing



\*Refer to SEG installation manual for details

## Temperature Characteristics

Pmax Temperature Coefficient	-0.35 %/°C
Voc Temperature Coefficient	-0.27 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C

## Packing Configuration

Container*	20'GP	40'HQ
Pieces per Pallet	31	31
Pallets per Container	6	24
Pieces per Container	186	744

\*Refer to the SEG container technical documentation for 53' box trailer or other trucks loading quantity

## Curves of PV Module

