



# YUKON Series

Half-Cell Monofacial Module

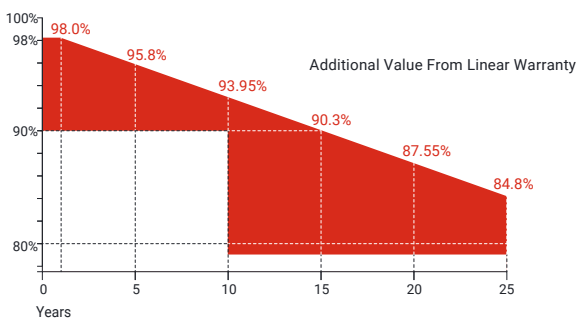
**540-555Wp** | **21.48%**  
 Module Power Output | Max Efficiency



## 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

IEC61215:2016; IEC 61730:2016; 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-540-BMA-HV		SEG-545-BMA-HV		SEG-550-BMA-HV		SEG-555-BMA-HV	
	Front STC	Front NOCT	Front STC	Front NOCT	Front STC	Front NOCT	Front STC	Front NOCT
Maximum Power -Pmp(Wp)*	540	406	545	409	550	414	555	418
Open Circuit Voltage -Voc(V)	49.50	46.18	49.60	46.32	49.70	46.40	49.80	46.50
Short Circuit Current -Isc(A)	13.81	11.16	13.91	11.23	14.01	11.32	14.10	11.41
Maximum Power Voltage -Vmp(V)	41.55	38.39	41.81	38.41	42.07	38.58	42.31	38.68
Maximum Power Current -Imp(A)	13.00	10.59	13.04	10.65	13.08	10.73	13.12	10.81
Module Efficiency(%)	20.90		21.10		21.29		21.48	
Power Tolerance(W)					(0, +4.99)			
Maximum System Voltage					1500V DC			
Maximum Series Fuse Rating					25 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

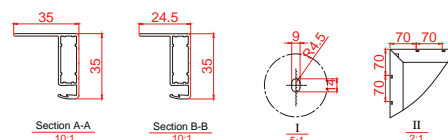
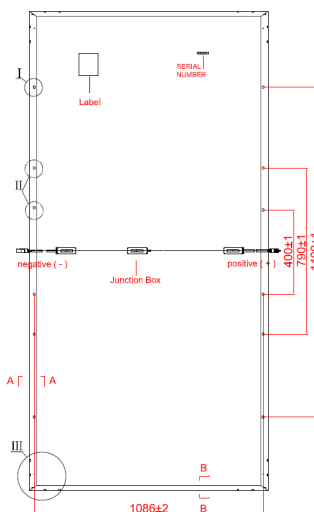
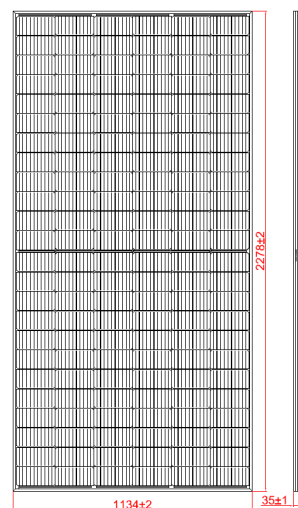
\*Measuring tolerance: ±3%

## Mechanical Specifications

External Dimension	2278 x 1134 x 35 mm
Weight	27.0 kg
Solar Cells	PERC Mono 182 x 91 mm(144 pcs)
Front Glass	3.2 mm AR coating tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 / 3 diodes
Connector Type	PV-C002-xy / 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



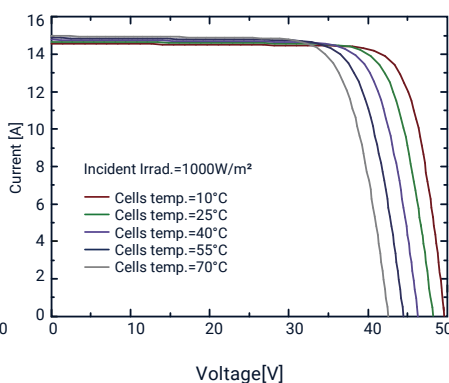
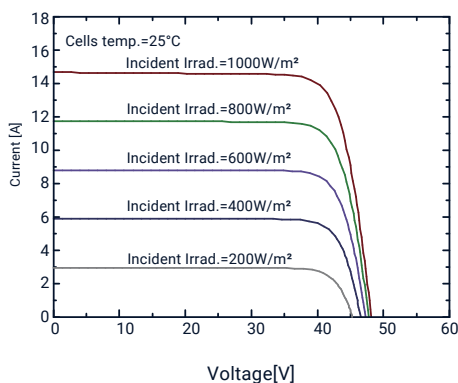
## Temperature Characteristics

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	4	20
Pieces per Container	124	620

## I-V Curve



\*Refer to SEG installation manual for details