

# 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

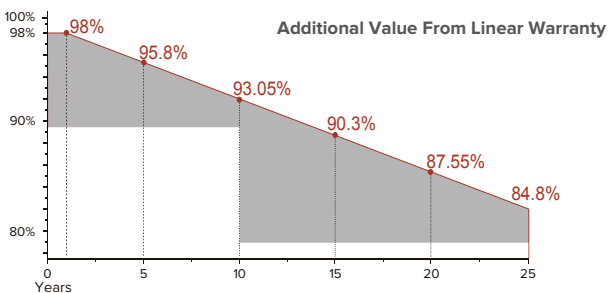


USA based liability insurance



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; UL1703; UL61730

IEC62804 PID

IEC61701 Salt Mist

IEC62716 Ammonia Resistance

IEC60068 Dust and Sand

IEC61215 Hailstone

Fire Type (UL61730):Type1

ISO14001:2015; ISO9001:2015; ISO45001:2018



## About SEG Solar

SEG Solar is a leading manufacturer of high-performance solar panels for residential, commercial, and utility applications. The company, headquartered in Houston, Texas, is committed to providing cost-effective and reliable solar solutions that help customers reduce their energy costs and carbon footprint.



Download Datasheet

## Electrical Characteristics

Module Type	SEG-540-BMA-HV		SEG-545-BMA-HV		SEG-550-BMA-HV		SEG-555-BMA-HV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	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	(0, +3%)							
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

## Mechanical Specifications

External Dimension	2278 x 1134 x 35 mm
Weight	27.0 kg
Solar Cells	PERC Mono 182 x 91mm(144 pcs)
Front Glass	3.2mm AR coating tempered glass / low iron
Frame	Anodized aluminium alloy
Junction Box	IP68 / 3 diodes
Connector Type	PV-CO02-xy
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)	3600 Pa / 75 psf*

\*Refer to SEG installation Manual for details

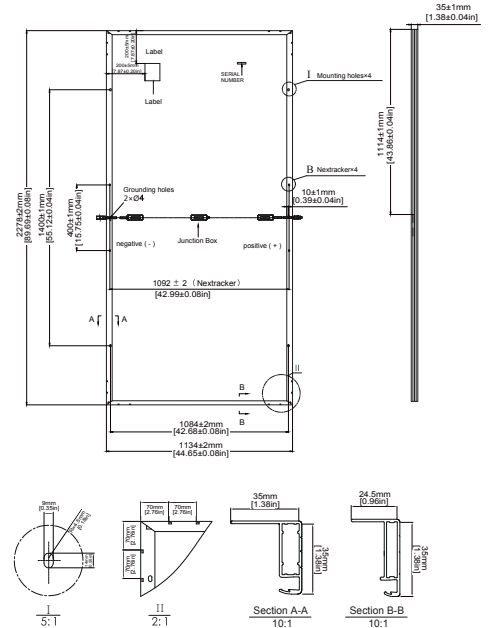
## Packing Configuration

Container	20'GP	40'HQ
Pieces per Pallet	31	31
Pallets per Container	4	20
Pieces per Container	124	620

## 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

## Technical Drawing



\*Refer to SEG installation Manual for details

## I-V Curve

