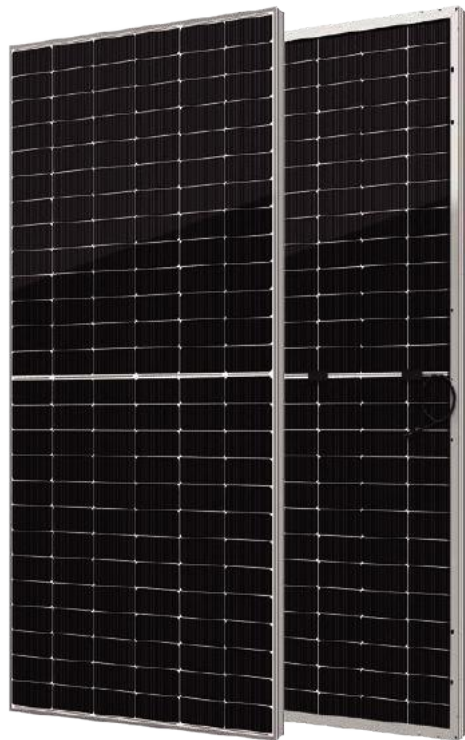




YUKON N Series

Half-Cell N-Type Bifacial Module

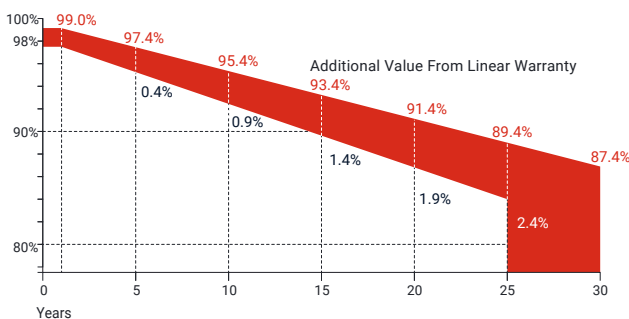
625-640Wp | **22.90%**
 Module Power Output | Max Efficiency



Key Features

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








Warranty



15 Years Guarantee on product material and workmanship

30 Years Linear power output warranty

Product Certification

IEC61215:2016; IEC 61730:2016; UL61215; UL61730	
IEC62804	PID
IEC61701	Salt Mist
IEC62716	Ammonia Resistance
IEC60068	Dust and Sand
IEC61215	Hailstone
Fire Type (UL61730): Type 29	
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-625-BTZ-BG			SEG-630-BTZ-BG			SEG-635-BTZ-BG			SEG-640-BTZ-BG		
	Front STC	Front NOCT	Back STC	Front STC	Front NOCT	Back STC	Front STC	Front NOCT	Back STC	Front STC	Front NOCT	Back STC
Maximum Power -Pmp(Wp)*	625	471	500	630	475	504	635	479	508	640	483	512
Open Circuit Voltage -Voc(V)	56.95	54.10	56.93	57.08	54.22	57.06	57.21	54.34	57.19	57.34	54.46	57.32
Short Circuit Current -Isc(A)	13.80	11.14	11.04	13.86	11.19	11.09	13.92	11.24	11.14	13.98	11.29	11.19
Maximum Power Voltage -Vmp(V)	47.54	44.69	47.52	47.70	44.83	47.68	47.86	45.02	47.84	48.02	45.18	48.00
Maximum Power Current -Imp(A)	13.15	10.54	10.52	13.21	10.59	10.57	13.27	10.64	10.62	13.33	10.69	10.67
Module Efficiency(%)	22.36			22.54			22.72			22.90		
Power Tolerance(W)							(0, +4.99)					
Maximum System Voltage							1500V DC					
Maximum Series Fuse Rating							30 A					
Bifaciality							80±10%					

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5

NOCT: Irradiance 800W/m² ambient temperature 20°C module temperature 45°C wind speed: 1m/s

*Measuring tolerance: ±3%

Mechanical Specifications

External Dimension	2465 x 1134 x 30 mm
Weight	34.0 kg
Solar Cells	N-Type 182 x 91 mm(156 pcs)
Front Glass	2.0 mm AR coating semi-tempered glass
Back Glass	2.0 mm Semi-tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 / 3 diodes
Connector Type	PV-CO02-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

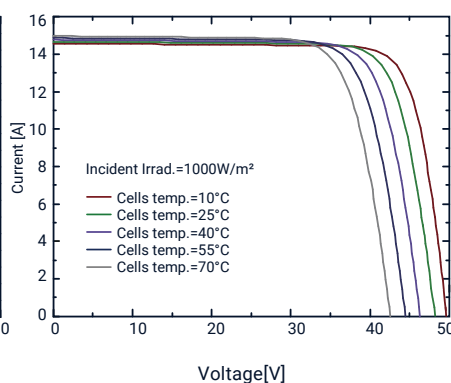
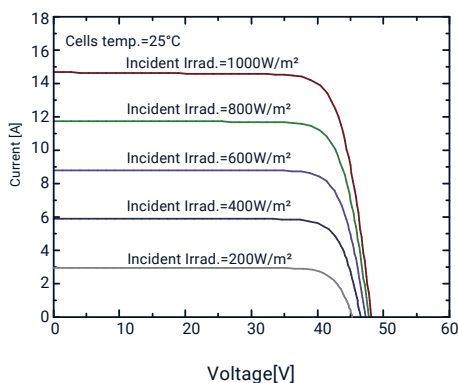
Temperature Characteristics

Pmax Temperature Coefficient	-0.30 %/°C
Voc Temperature Coefficient	-0.25 %/°C
Isc Temperature Coefficient	+0.046 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C

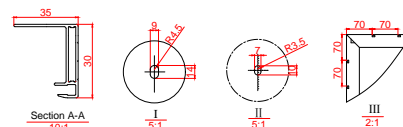
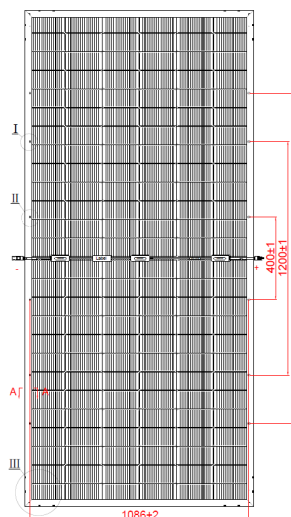
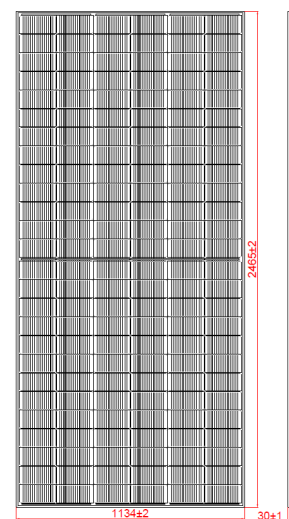
Packing Configuration

Container	20'GP	40'HQ
Pieces per Pallet	36	36
Pallets per Container	4	16
Pieces per Container	144	576

I-V Curve



Technical Drawing



*Refer to SEG installation manual for details