



ALPINE Series

Half-Cell Monofacial Module

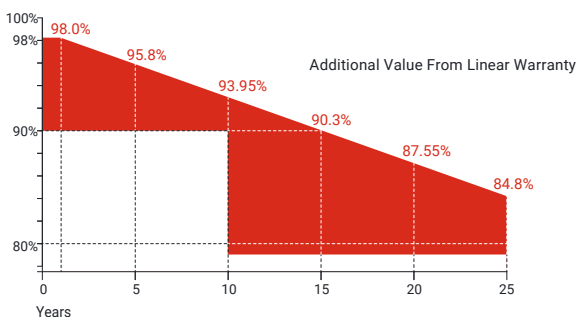
655-670Wp | **21.57%**
 Module Power Output | Max Efficiency



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-655-BMC-HV		SEG-660-BMC-HV		SEG-665-BMC-HV		SEG-670-BMC-HV	
	Front STC	Front NOCT	Front STC	Front NOCT	Front STC	Front NOCT	Front STC	Front NOCT
Maximum Power -Pmp(Wp)*	655	492	660	496	665	500	670	504
Open Circuit Voltage -Voc(V)	45.68	43.40	45.88	43.59	46.08	43.78	46.28	43.97
Short Circuit Current -Isc(A)	18.39	14.71	18.44	14.75	18.49	14.79	18.54	14.83
Maximum Power Voltage -Vmp(V)	37.96	35.65	38.16	35.86	38.36	36.06	38.56	36.27
Maximum Power Current -Imp(A)	17.25	13.80	17.29	13.83	17.33	13.86	17.37	13.90
Module Efficiency(%)	20.09		21.25		21.41		21.57	
Power Tolerance(W)					(0, +4.99)			
Maximum System Voltage					1500V DC			
Maximum Series Fuse Rating					30 A			

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5
 *Measuring tolerance: ±3%

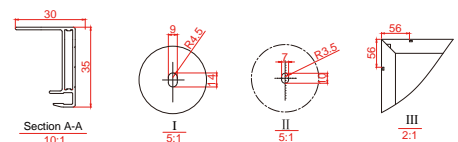
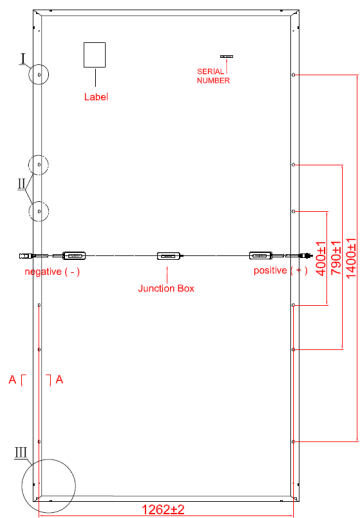
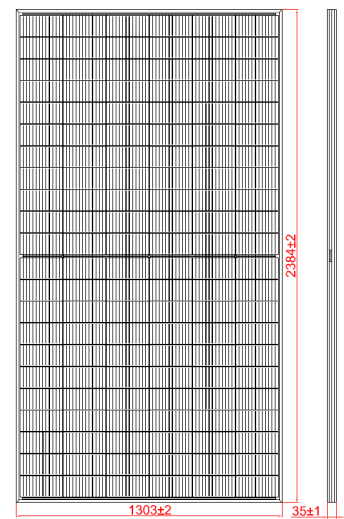
NOCT: Irradiance 800W/m² ambient temperature 20°C module temperature 45°C wind speed: 1m/s

Mechanical Specifications

External Dimension	2384 x 1303 x 35 mm
Weight	34.0 kg
Solar Cells	PERC Mono 210 x 105 mm(132 pcs)
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



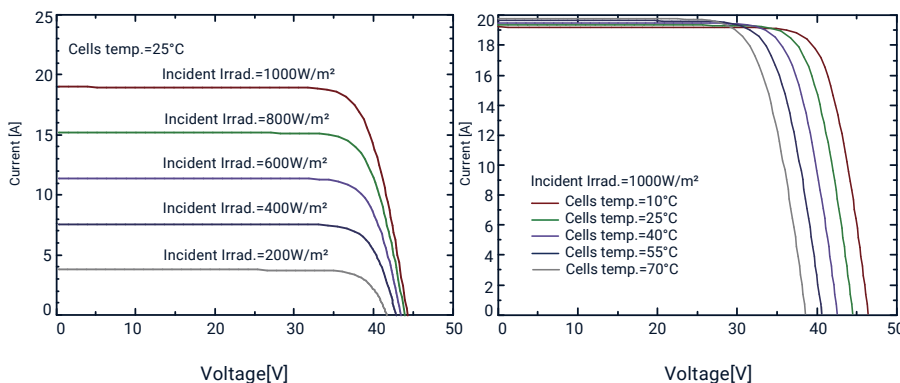
Temperature Characteristics

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	40'HQ
Pieces per Pallet	31
Pallets per Container	18
Pieces per Container	558

I-V Curve



*Refer to SEG installation manual for details