

# Seco 445-460w

High efficiency monofacial modules

**PERC**

**182mm**

• **PERC MODULE ADVANTAGE**



Less mismatch to get more power



Less power loss by minimizing the shading impact



Excellent low-light performance



Low BOS and LCOE



3 times EL test to ensure best quality



Superior load capacity  
2400 Pa wind load & 5400 Pa snow load

• **QUALITY SYSTEM**

ISO9001 / ISO14001 / ISO45001

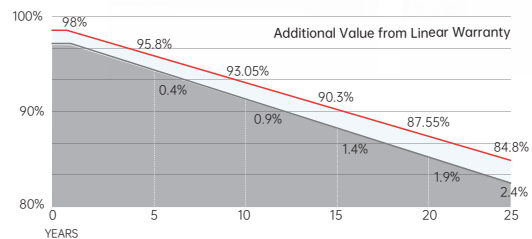
• **PRODUCT CERTIFICATION**



• **INSURANCE**

**PICC**

• **WARRANTY**



Guarantee on product material and workmanship



Linear power output warranty



## Electrical Characteristics

Module Type	SRP-445-BMB-HV		SRP-450-BMB-HV		SRP-455-BMB-HV		SRP-460-BMB-HV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power at STC (Pmp)	445	333	450	337	455	341	460	345
Open Circuit Voltage (Voc)	41.22	38.41	41.32	38.57	41.42	38.67	41.52	38.74
Short Circuit Current (Isc)	13.66	11.04	13.76	11.12	13.86	11.20	13.96	11.28
Maximum Power Voltage (Vmp)	34.18	31.82	34.28	31.98	34.38	32.06	34.49	32.25
Maximum Power Current (Imp)	13.03	10.48	13.13	10.56	13.24	10.64	13.34	10.71
Module Efficiency at STC(ηm)	20.56		20.79		21.02		21.25	
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  
Power measurement tolerance: +/-3%

## Temperature Characteristics

Pmax Temperature Coefficient	-0.34 %/°C
Voc Temperature Coefficient	-0.26 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40 ~ +85 °C
Nominal Operating Cell Temperature(NOCT)	45±2 °C

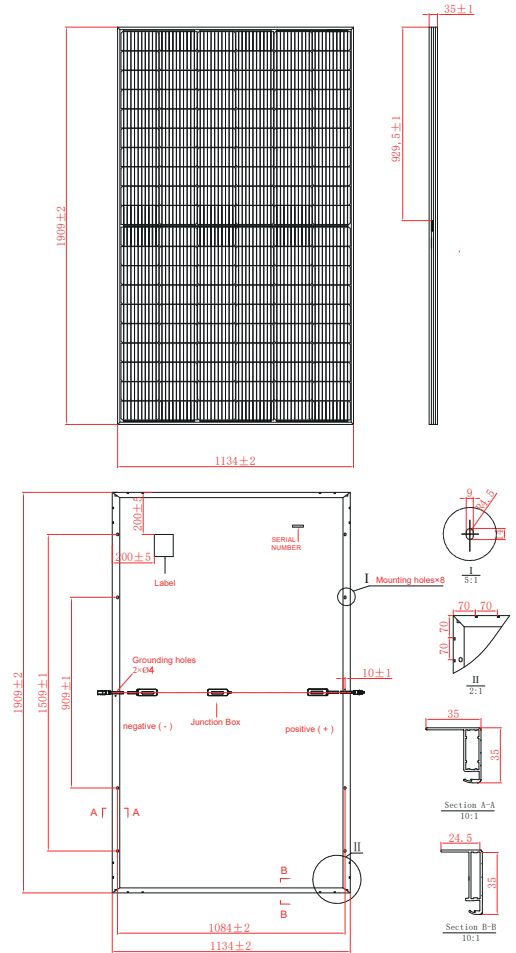
## Mechanical Specifications

External Dimensions	1909 x 1134 x 35 mm
Weight	22.3 kg
Solar Cells	PERC Mono (120 pcs)
Front Glass	3.2mm AR coating tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm <sup>2</sup> , 250mm(+)/350mm(-) or Customized Length
Mechanical Load	Front side 5400Pa/ Rear side 2400Pa

## Packing Configuration

	1909 x 1134 x 35 mm	
Container	20'GP	40'HQ
Pieces per Pallet	31+4*	31
Pallets per Container	5	24
Pieces per Container	175	744

For details, please consult SERAPHIM.



## I-V Curve

