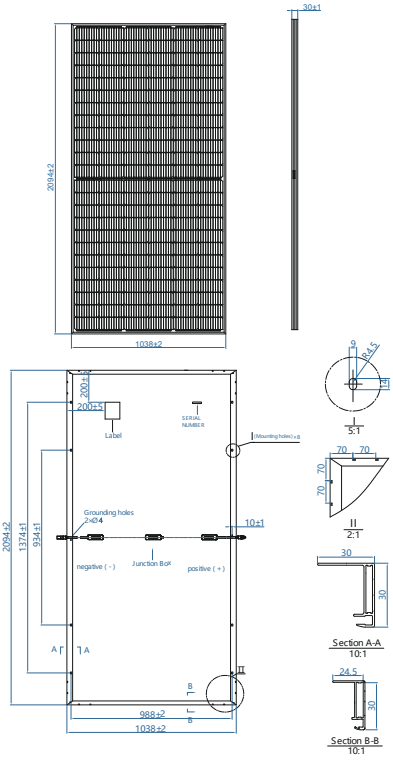
EP-445-460-BMA-HV

EPEVER

SIII SERIES

Multiple upgrades were forged into one

445-460W



- Less mismatch to get more power
- Less power loss by minimizing the shading impact
- Competitive low light performance
- 3 times EL test to ensure best quality
- Ideal choice for utility and commercial scale projects by reduced BoS and improved ROI

- Outstanding reliability proven by PVEL for stringent environment condition:
  ·Sand, acid, salt, and hail stones
  ·2400 Pa wind load and 5400 Pa snow load
  ·Anti-PID

15 YEARS Guarantee on product material and workmanship

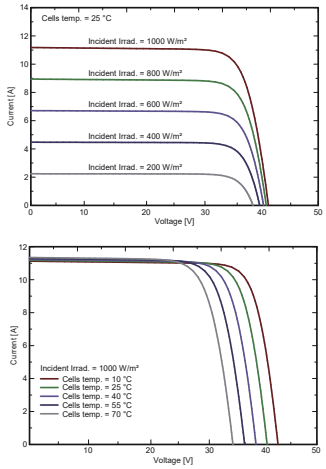
25 YEARS Linear power output warranty

Electrical Characteristics

Module Type	EP-445-BMA-HV		EP-450-BMA-HV		EP-455-BMA-HV		EP-460-BMA-HV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power at STC (Pmp)	445	334	450	338	455	342	460	346
Open Circuit Voltage (Voc)	49.9	46.6	50.1	46.8	50.3	47.0	50.5	47.2
Short Circuit Current (Isc)	11.34	9.17	11.41	9.22	11.48	9.28	11.55	9.34
Maximum Power Voltage (Vmp)	41.6	38.5	41.8	38.7	42.0	38.9	42.2	39.1
Maximum Power Current (Imp)	10.70	8.68	10.77	8.73	10.84	8.80	10.91	8.87
Module Efficiency at STC(ηm)	20.47		20.70		20.93		21.16	
Power Tolerance	(0, +4.99)							
Maximum System Voltage	1500V DC							
Maximum Series Fuse Rating	20 A							

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5
Power measurement tolerance: +/-3%

I-V Curve



Temperature Characteristics

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

Packing Configuration

Container	40'HQ
Pieces per Pallet	(36+36)+2
Pallets per Container	22
Pieces per Container	814

Mechanical Specifications

External Dimensions	2094 x 1038 x 30 mm
Weight	23.5kg
Solar Cells	PERC Mono166x83mm(144 pcs)
Front Glass	3.2 mm AR coating tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Output Cable	4mm², 250mm(+)/350mm(-) or Customized Length
Mechanical Load	Front side 5400Pa/ Back side 2400Pa