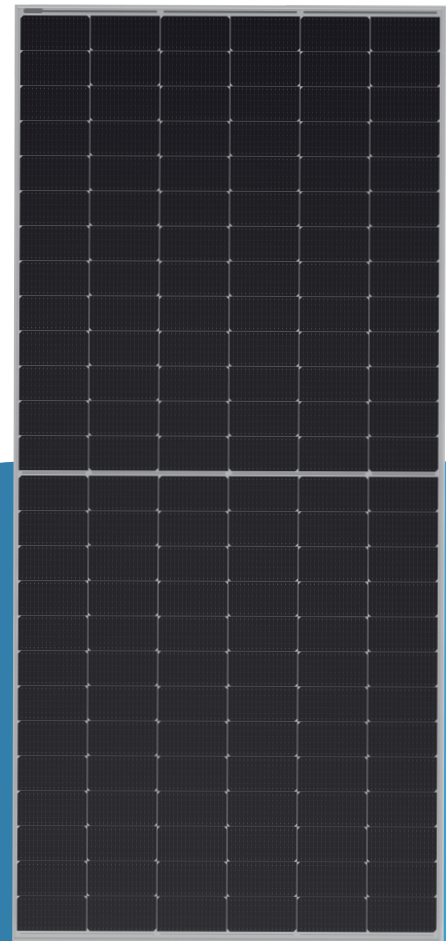


# BM8S-T78HD

625-645W

FOR UTILITY

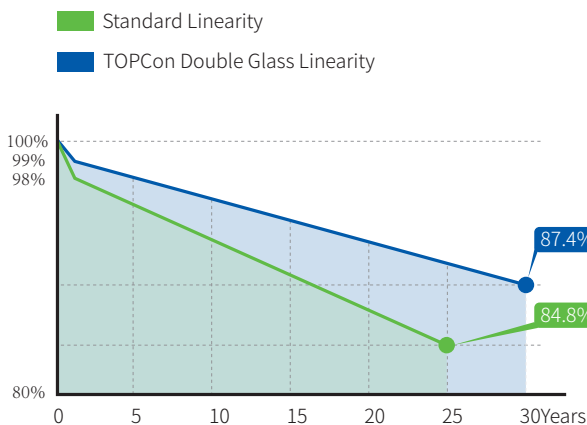


Maximum Power Output:

**645W**

Maximum Module Efficiency:

**23.07%**



**15** years Product Warranty

**30** years Linear Power Warranty



## Super Power Output

Adopting high-density encapsulation and using BAJ advanced SMBB TOPCon cell provides ultra-high power output



## More Power Generation

Less than 1% 1st year degradation, lower temperature coefficient and better weak-light response combined with rear side gain improves module power generation



## Excellent Reliability Performance

Excellent harsh tests results and hot spot resistance improves product reliability for long-term life cycle



## Higher ROI

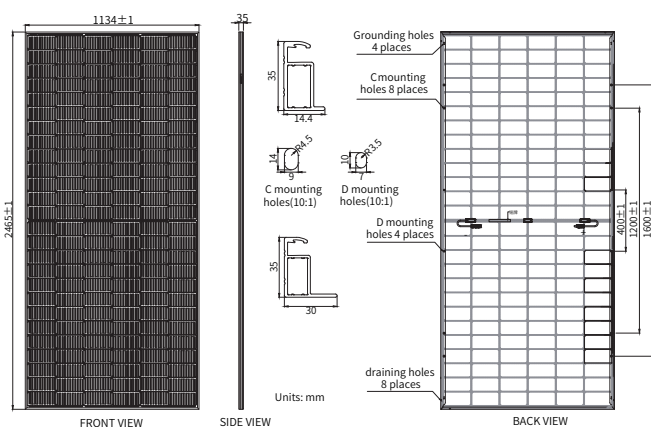
Reduce BOS and system LCOE dramatically, promote the project ROI

## Electric Characteristics

Module Type	BM8S-T78HD-625		BM8S-T78HD-630		BM8S-T78HD-635		BM8S-T78HD-640		BM8S-T78HD-645	
	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Maximum Power (Pmax)[W]	625	685	630	690	635	695	640	700	645	705
Open-Circuit Voltage (Voc)[V]	55.69	55.89	55.84	56.04	55.99	56.19	56.14	56.34	56.29	56.49
Short-Circuit Current (Isc)[A]	14.33	15.51	14.40	15.59	14.47	15.67	14.54	15.75	14.61	15.83
Maximum Power Voltage (Vmp)[V]	45.88	46.08	45.98	46.18	46.08	46.28	46.18	46.38	46.28	46.48
Maximum Power Current (Imp)[A]	13.63	14.87	13.71	14.94	13.78	15.02	13.86	15.09	13.94	15.17
Module Efficiency	22.36%		22.54%		22.72%		22.90%		23.07%	
Power Tolerance	0~+5W									

(STC: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, Atmospheric quality AM 1.5G; BNPI: Rear side Irradiance 135W/m<sup>2</sup>, Cell temperature 25°C, Atmospheric quality AM 1.5G, Wind speed 1m/s)

## Engineering Drawing



## Product Specification

Cell Type	TOPCon Mono crystalline (16BB)
Number of Cells	156(6x26)
Dimensions	2465x1134x35mm
Weight	34kg
Glass	Front Glass, 2mm AR coated heat strengthened glass Back Glass, 2mm heat strengthened glass (white mesh)
Frame	Silver(Black), Anodized Aluminum Alloy
Output Cables	4mm <sup>2</sup> (IEC), 12AWG(UL) +300mm/-200 (including connector) or Customized Length
Junction Box	IP68 Rated, 3 diodes
Connector	MC4-EVO2 / MC4 Compatible
Packaging	31 Pieces/Pallet, 496 pieces/40' container

## Operating Conditions

Maximum System Voltage	1500V DC (IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	30A
Maximum Static Load, Front Side	5400Pa
Maximum Static Load, Back Side	2400Pa
Nominal Operating Cell Temperature	45±2°C
Bifaciality	80±5%

## Temperature Coefficient

Temperature coefficient of Isc	+0.045%/°C
Temperature coefficient of Voc	-0.230%/°C
Temperature coefficient of Pmax	-0.290%/°C

## Characteristics

