

BM8S-T36HDT

285-305W

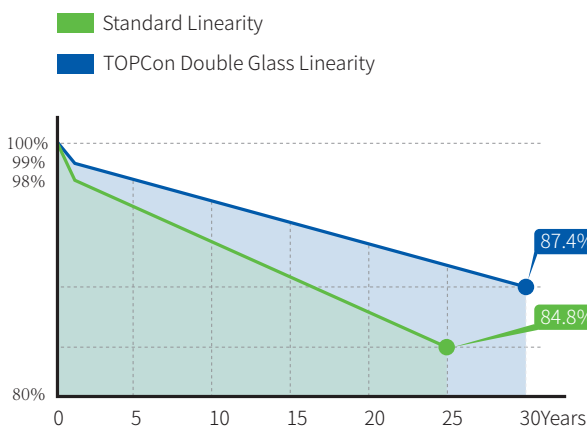
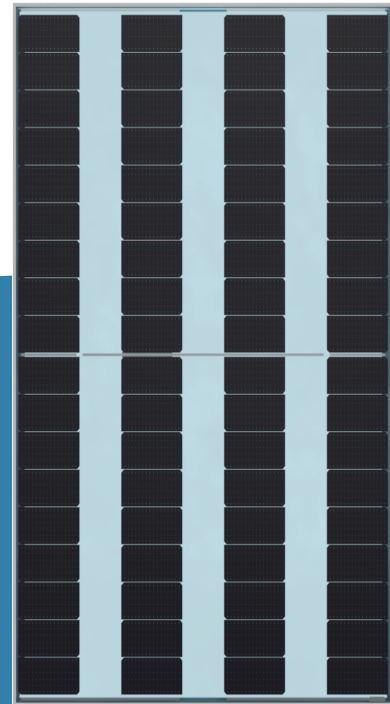
AGRIVOLTAICS

Maximum Power Output:

305W

Maximum Module Efficiency:

15.62%



15 years Product Warranty

30 years Linear Power Warranty



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



Agricultural integrated PV Application Design

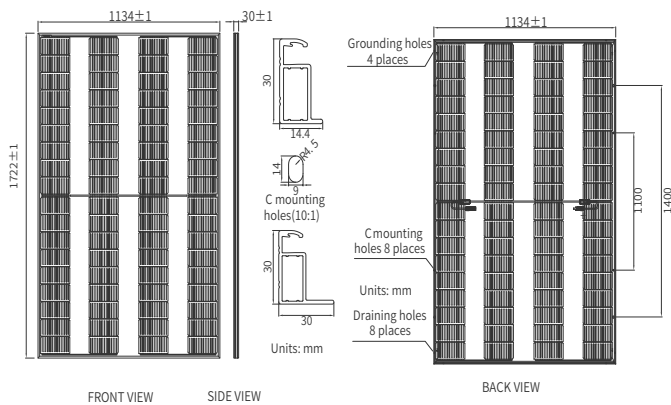
High light transmission up to 35%, satisfy power generation while ensuring that crops can receive sufficient light to achieve win-win farm power generation and planting

Electric Characteristics

Module Type	BM8S-T36HDT-285		BM8S-T36HDT-290		BM8S-T36HDT-295		BM8S-T36HDT-300		BM8S-T36HDT-305	
	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Maximum Power (Pmax)[W]	285	315	290	320	295	325	300	330	305	335
Open-Circuit Voltage (Voc)[V]	25.99	26.19	26.18	26.38	26.37	26.57	26.56	26.76	26.75	26.95
Short-Circuit Current (Isc)[A]	14.04	15.40	14.13	15.47	14.22	15.55	14.31	15.62	14.4	15.70
Maximum Power Voltage (Vmp)[V]	21.57	21.77	21.82	22.02	22.07	22.27	22.32	22.52	22.57	22.77
Maximum Power Current (Imp)[A]	13.22	14.47	13.30	14.53	13.38	14.59	13.46	14.65	13.54	14.71
Module Efficiency	14.59%		14.85%		15.11%		15.36%		15.62%	
Power Tolerance	0~+5W									

(STC: Irradiance 1000W/m², Cell temperature 25°C, Atmospheric quality AM 1.5G; BNPI: Rear side Irradiance 135W/m², 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	72(4x18)
Dimensions	1722x1134x30mm
Weight	20.5kg
Glass	Front Glass, 2mm AR coated heat strengthened glass Back Glass, 2mm heat strengthened glass (transparent)
Frame	Silver (Black), Anodized Aluminum Alloy
Output Cables	4mm ² (IEC), 12AWG(UL) +300mm/-200 (including connector) or Customized Length
Junction Box	IP68 Rated, 3 diodes
Connector	MC4-EVO2 / MC4 Compatible
Packaging	36 Pieces/Pallet, 936 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

