



# Mono 5BB

DuDrive Module

300W

120 Cells



### Higher Module Efficiency

Brings 5-10W power gain due to half-cut production system



### More Energy Yield

Lower NMOT and better temperature coefficient by lower cell series resistance, helps boost energy yield



### Lower Operating Temperature, More Reliable

Lower operating temperature and hot spot temperature during the sunny day, making the module prevail during the sunny days



### Better Shading Tolerance

Thanks to Paralleling circuit design, more power generated under shading condition and during morning & evening time



### Better Micro Crack Resistance

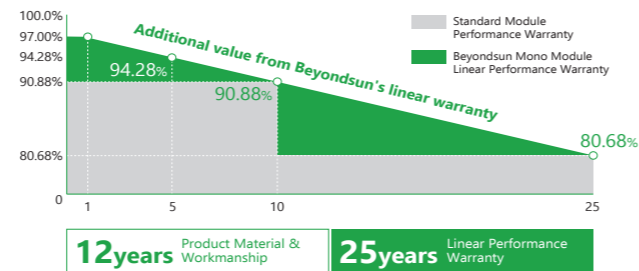
Minimize the impact by micro crack by limiting cell damage and potentially extending area by half-cut module architecture



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## LINEAR PERFORMANCE WARRANTY



## CERTIFICATES

IEC 61215 / IEC 61730

ISO 9001: 2015

Quality Management System

ISO 14001: 2015

Environmental Management System

OHSAS 18001: 2007

Occupational Health & Safety Management System

\*Certification requirements vary in different markets, please consult with Beyondsun sales team for appropriate certification.

## About Beyondsun

As a leading enterprise in China's photovoltaic industry, Beyondsun owns a vertically-integrated supply chain of PV products. Backed by proven track record of outstanding product quality and customer service, Beyondsun's products have been shipped to over 30 countries around the world, supporting all kinds of renewable energy generation systems.

# TSHM-120 300W

## ELECTRICAL PARAMETERS @ STC

Max. Power Output Pmax (W)	300
Power Tolerance	15W~19W
Max. Power Voltage Vmp (V)	32.95
Max. Power Current Imp (A)	9.11
Open Circuit Voltage Voc (V)	39.88
Short Circuit Current Isc (A)	9.60
Module Efficiency (%)	18.10

\*STC (Standard Test Condition): Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass 1.5

## ELECTRICAL PARAMETERS @ NMOT

Max. Power Output Pmax (W)	226
Max. Power Voltage Vmp (V)	30.95
Max. Power Current Imp (A)	7.29
Open Circuit Voltage Voc (V)	37.48
Short Circuit Current Isc (A)	7.74

\*Nominal Module Operating Temperature (NMOT), Irradiance of 800W/ m<sup>2</sup>, Spectrum AM 1.5, Ambient Temperature 20°C, Wind Speed 1m/s

## TEMPERATURE COEFFICIENTS

Temperature Coefficients of Pmp	-0.36%/°C
Temperature Coefficients of Voc	-0.29%/°C
Temperature Coefficients of Isc	+0.048%/°C

## MECHANICAL PARAMETERS

Cell Type	Mono 156.75 × 78.38mm
Number of Cells	120 pcs (2 × (6 × 10))
Dimensions (L*W*H)	1675 × 992 × 35mm
Weight	19kg
Frame	Anodised Aluminum
Junction Box	IP68, 3 bypass diodes
Cable, Length	4.0mm <sup>2</sup> , 1160mm

## OPERATING CONDITION

Maximum System Voltage(V)	1000(DC)
Operating Temperature(°C)	-40~+85
Max. Wind Load / Snow Load(pa)	2400/5400
Max. Over Current(A)	20
Application Class	Class A
Fire Rating	Class C
NMOT(°C)	42 ± 3

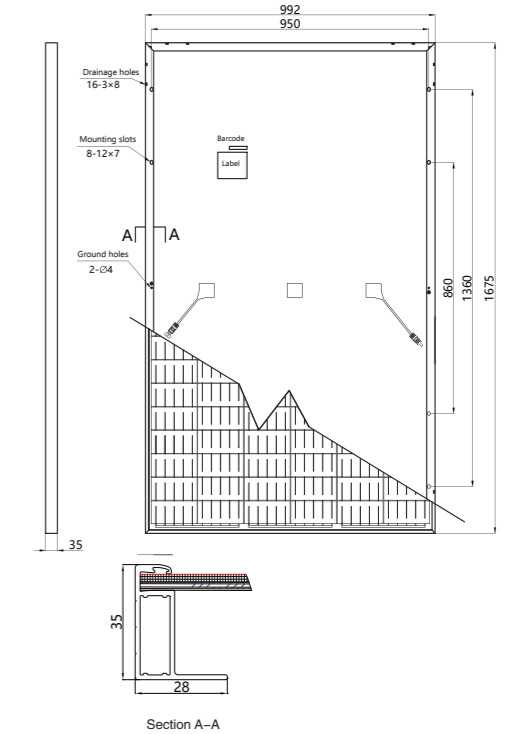
## PACKAGE INFORMATION

Container40'HQ	780 pcs
Quantity / Pallet	30 pcs

\*Power measurement tolerance: ±3%

\*The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, Zhejiang Beyondsun Holding Co., Ltd. reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.

## ASSEMBLY DRAWING (Unit: mm)



## I-V CURVES

