

Mono 5BB

DuDrive Module

315/320/325/330/335W

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



Beyondsun

Web: <http://www.beyondsunpv.com>
Email: sales@beyondsunpv.com

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TSHM-120L 315/320/325/330/335W

ELECTRICAL PARAMETERS @ STC

Max. Power Output Pmax (W)	315	320	325	330	335
Power Tolerance	0~+3%	0~+3%	0~+3%	0~+3%	0~+3%
Max. Power Voltage Vmp (V)	33.80	34.08	34.36	34.63	34.90
Max. Power Current Imp (A)	9.32	9.39	9.46	9.53	9.60
Open Circuit Voltage Voc (V)	40.72	41.00	41.26	41.53	41.78
Short Circuit Current Isc (A)	9.84	9.91	9.99	10.08	10.16
Module Efficiency (%)	18.67	18.96	19.26	19.56	19.85

*STC (Standard Test Condition): Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5

ELECTRICAL PARAMETERS @ NMOT

Max. Power Output Pmax (W)	236	240	244	248	252
Max. Power Voltage Vmp (V)	31.68	31.92	32.20	32.40	32.63
Max. Power Current Imp (A)	7.45	7.53	7.58	7.65	7.71
Open Circuit Voltage Voc (V)	38.24	38.50	38.73	38.98	39.22
Short Circuit Current Isc (A)	7.93	8.00	8.06	8.13	8.20

*Nominal Module Operating Temperature (NMOT), Irradiance of 800W/ m², 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 158.75 × 79.38mm
Number of Cells	120 pcs (2 × (6 × 10))
Dimensions (L*W*H)	1684 × 1002 × 35mm
Weight	19.5kg
Frame	Anodised Aluminum
Junction Box	IP67, 3 bypass diodes
Cable, Length	4.0mm ² , 350mm

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

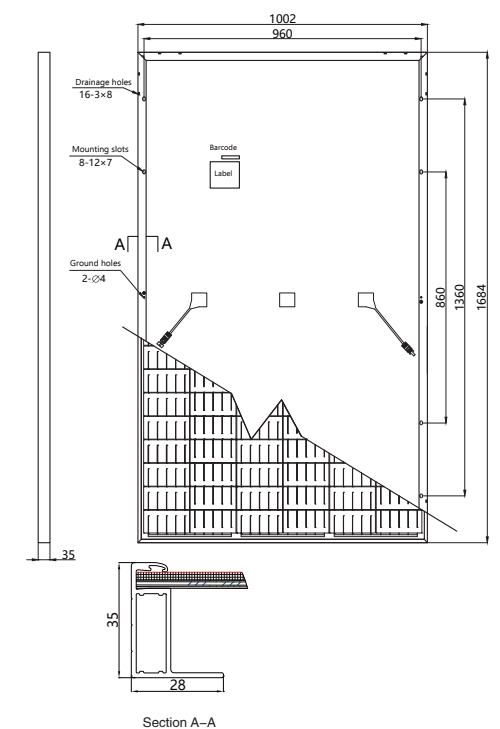
PACKAGE INFORMATION

Container40'HQ	845 pcs
Quantity / Pallet	30+5 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

