



**The modules with white backsheet and black frame are also supplied.



Higher Module Efficiency

10% more power than standard modules, due to advanced the PERC technology



More Energy Yield

Better temperature coefficient, helps boost energy yield



Approved Technology

Approved practice for different operating conditions



Lower Operation Temperature

Less hot spot heating risk, make the module more reliable



Aesthetic Design

Uniformity apparence, aesthetic design with black frame option



Beyondsun

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TSM-60L 305/310/315/320/325W

ELECTRICAL PARAMETERS @ STC

Max. Power Output Pmax (W)	305	310	315	320	325
Power Tolerance	0~+3%	0~+3%	0~+3%	0~+3%	0~+3%
Max. Power Voltage Vmp (V)	33.23	33.52	33.80	34.08	34.36
Max. Power Current Imp (A)	9.18	9.25	9.32	9.39	9.46
Open Circuit Voltage Voc (V)	40.16	40.44	40.72	41.00	41.26
Short Circuit Current Isc (A)	9.68	9.76	9.84	9.91	9.99
Module Efficiency (%)	18.28	18.58	18.88	19.18	19.48

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

ELECTRICAL PARAMETERS @ NMOT

Max. Power Output Pmax (W)	229	233	236	240	243
Max. Power Voltage Vmp (V)	31.18	31.42	31.68	31.94	32.18
Max. Power Current Imp (A)	7.35	7.42	7.45	7.51	7.56
Open Circuit Voltage Voc (V)	37.74	38.00	38.24	38.50	38.74
Short Circuit Current Isc (A)	7.81	7.87	7.93	7.99	8.05

*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 × 158.75mm
Number of Cells	60 pcs (6 × 10)
Dimensions (L*W*H)	1665 × 1002 × 35mm
Weight	19kg
Frame	Anodised Aluminum
Junction Box	IP67, 3 bypass diodes
Cable, Length	4.0mm ² , 1000mm

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

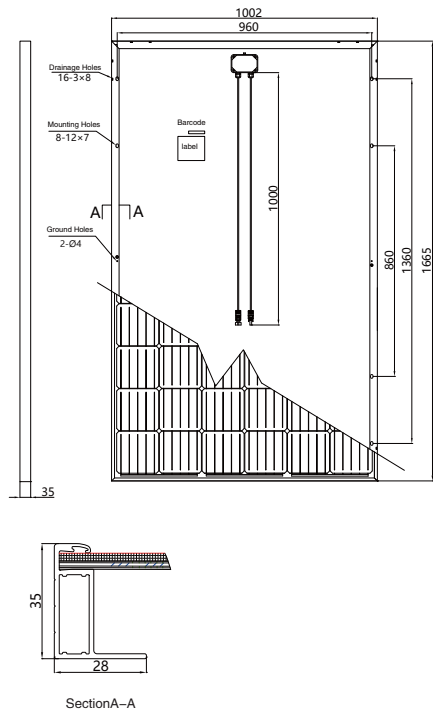
PACKAGE INFORMATION

Container40'HQ	840 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

