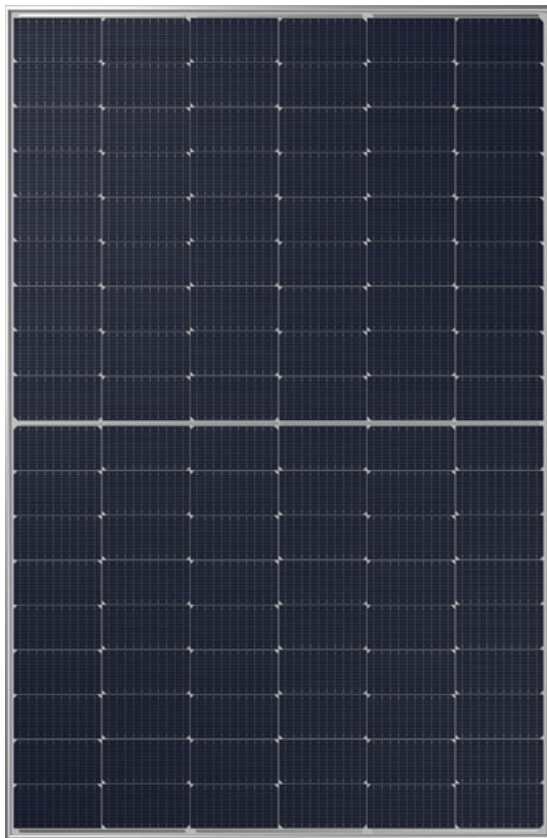


# Beyondsun Solar Panels

## DuDrive Max Series

### TSHM-108HV



Nominal Power: 400-410Wp



Wind/Snow Load: 2400/5400Pa



Dimension: 1724 x 1134 x 35mm



Efficiency: Up to 20.97%

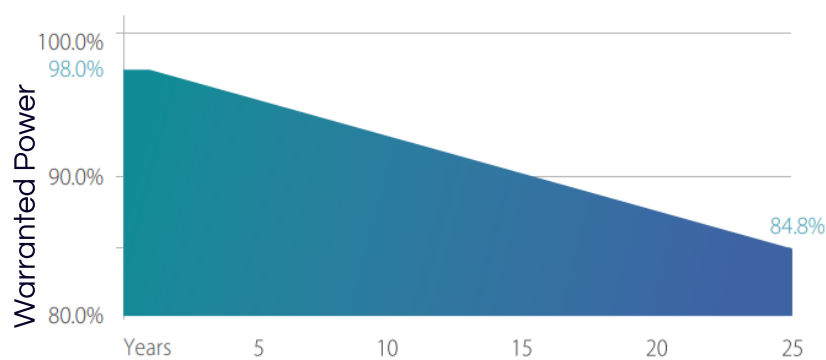


Maximum System Voltage: 1500 V



Weight: 21.5 kg

## Industry Leading Warranty



## Comprehensive Certificates



IEC 61215 / IEC 61730

ISO 9001: Quality Management System

ISO 14001: Environmental Management System

OHSAS 18001: Occupational Health and Safety

**25 Years**

Linear  
Performance  
Warranty

**12 Years**

Product Material &  
Workmanship  
Warranty

**LLOYD'S**

Product &  
Performance  
Insured by  
LLOYD'S



## ELECTRICAL PARAMETERS @ STC\*

Module Type	TSHM400-108HV	TSHM405-108HV	TSHM410-108HV
Max. Power Output Pmax (W)	400	405	410
Power Tolerance	0~+3%	0~+3%	0~+3%
Max. Power Voltage Vmp (V)	31.06	31.21	31.35
Max. Power Current Imp (A)	12.88	12.98	13.08
Open Circuit Voltage Voc (V)	36.83	36.98	37.12
Short Circuit Current Isc (A)	13.76	13.86	13.96
Module Efficiency (%)	20.46%	20.72%	20.97%

\*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)	300	304	308
Max. Power Voltage Vmp (V)	28.90	29.04	29.20
Max. Power Current Imp (A)	10.39	10.47	10.55
Open Circuit Voltage Voc (V)	35.01	35.16	35.29
Short Circuit Current Isc (A)	11.09	11.18	11.26

\*NMOT (Nominal Module Operating Temperature), 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
NMOT	41°C±3°C

## MECHANICAL PARAMETERS

Cell Type	Mono, 182x91mm
Cell Arrangement	108 pcs (2x(6x10))
Dimension (LxWxH)	1724x1134x35mm
Weight	21.5kg
Front Cover	3.2mm Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 bypass diodes
Cable	4mm <sup>2</sup> solar cable, 400mm (customizable)
Connector	MC4 Compatible

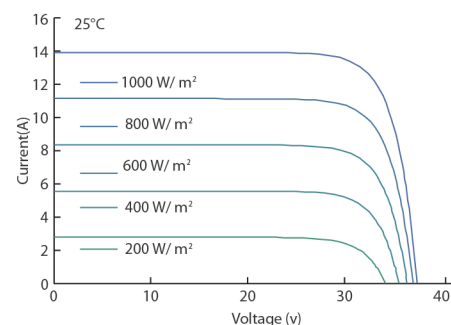
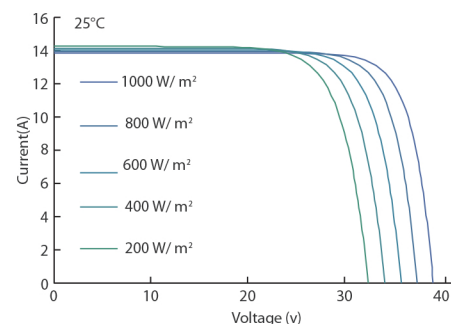
## OPERATING PARAMETERS

Maximum System Voltage(V)	1500(DC)
Operating Temperature(°C)	-40~+85
Max. Wind Load / Snow Load(Pa)	2400/5400
Max. Over Current(A)	25
Application Class	Class A
Fire Rating	Class C

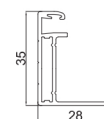
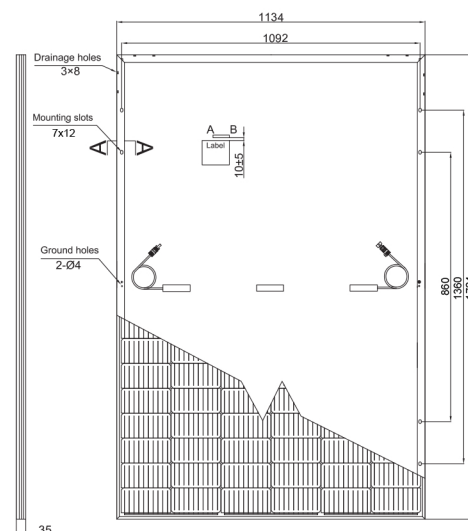
## PACKAGE INFORMATION

Quantity / Pallet	31 pcs
Container 40'HQ	26 pallets, 806 pcs

## I-V CURVES



## TECHNICAL DRAWINGS



Section A-A

