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BS-(620-640)TRG-144HC

MODULE SIZE
2465*1134*35mm

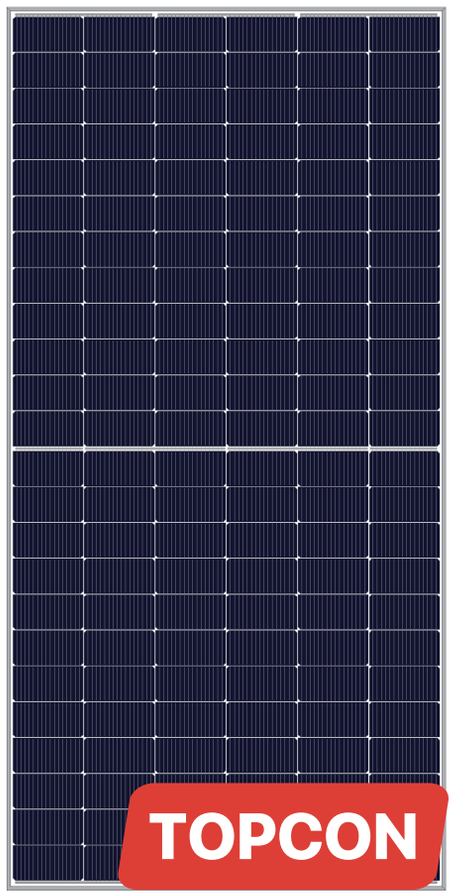
POWER OUTPUT RANGE
620W - 640W

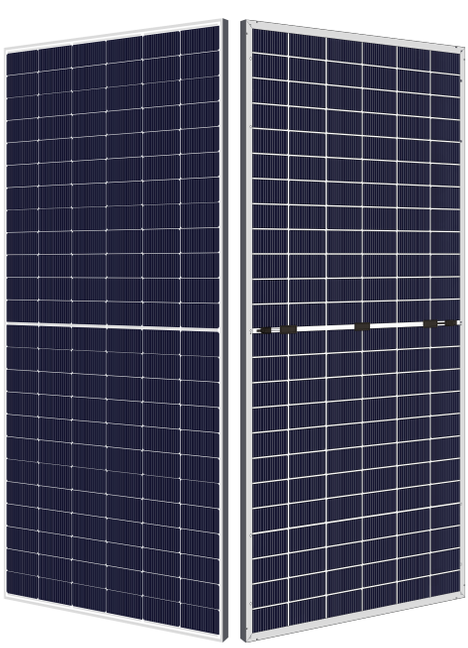
POSITIVE POWER TOLERANCE
0 - + 3%

N-TOPCONMONOCRYSTALLINE MODULE
144 CELL

MAXIMUM EFFICIENCY
22.9%

LINEAR PERFORMANCE WARRANTY
15 Year Product Warranty
30 Year Linear Power Warranty





- Competitive Low Light Performance
- Reduced Power Loss by Minimising the Effect of Shadow Shading
- High Density Encapsulation
- Multi-Busbar Technology
- 2400pa Wind Load 5400pa Snow Load
- LCOE BOS — Reduced BOS & Increased ROI

BRIGHT SOLAR

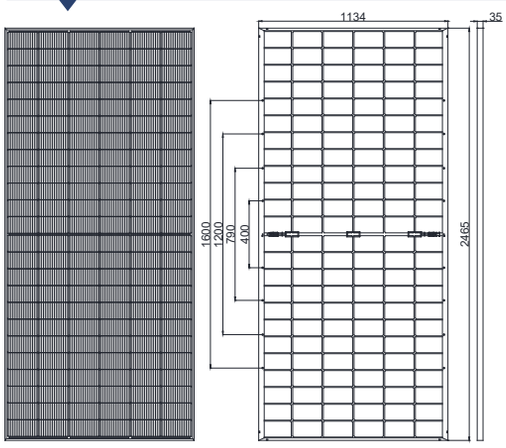
www.brightsolar.cn

Add: No. 9 Qilin Bay, Yangshan Town, Wuxi, China **Tel**: 0086 17715810958 **E-mail**: info@brightsolar.cn

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BS-(620-640)TRG-144HC

DIMENSIONS OF PV MODULE



STRUCTURAL CHARACTERISTICS

Module Size	2465x1134x35mm
Weight	34.6kg
Cell	single crystal N-topcon 182x99.5mm(144pieces)
Glass	2.0mm / 2.0mm
Frame	anodized aluminum alloy
Junction Box	IP68, 3 diodes
Output Lead	4.0mm^2 300mm(+)/ 300mm(-) or customized
Mechanical Load	front 5400pa / back 2400pa

ELECTRICAL CHARACTERISTICS

Component Model	TD-620TRG-144HC	TD-625TRG-144HC	TD-630TRG-144HC	TD-635TRG-144HC	TD-640TRG-144HC
Maximum Power (PMP)	STC	STC	STC	STC	STC
	620	625	630	635	640
Open Circuit Voltage (VOC)	52.07	52.27	52.47	52.67	52.87
Short Circuit Current (ISC)	15.11	15.16	15.21	15.26	15.31
Maximum Power Voltage (VMP)	43.51	43.71	43.90	44.10	44.29
Maximum Power Current (IMP)	14.25	14.30	14.35	14.40	14.45
Component Efficency (η)	22.2	22.4	22.5	22.7	22.9
Power Tolerance	(0, +3%)				
Maximum System Voltage	1500V DC				
Maximum Rated Fuse Current	30A				
STC: Irradiance 1000 W/m^2 module temperature 25 ℃ AM=1.5					

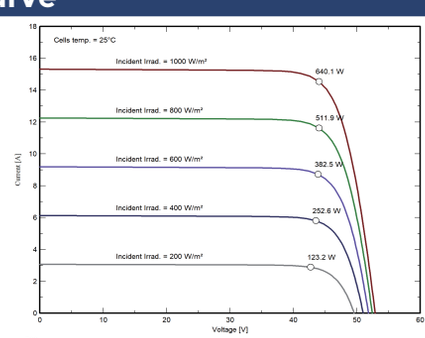
TEMPERATURE CHARACTERISTICS

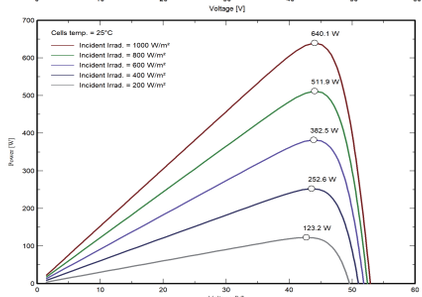
Maximum Power Temperature Coefficient	-0.30 % / ℃
Temperature Coefficient Of Open Circuit Voltage	-0.25 % / ℃
Temperature Confficient Of Short Circuit Current	+0.046 % / ℃
Working Temperature	-40 ~ +85 ℃
Nominal Operating Cell Temperature (NOCT)	45 ± 2 ℃
Bifacial-Factor	80% ± 10%

PACKING METHOD

Module Size	2465x1134x35mm
Container	40′ HQ
Quantity Per Pallet	31
Number Of Pallets Per Container	16
Quantity Per Container	496

I-V Curve





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