

BS-(435-455)TRG-108HC

MODULE SIZE

1762*1134*30mm

POWER OUTPUT RANGE

435W - 455W

POSITIVE POWER TOLERANCE

0 - + 3%

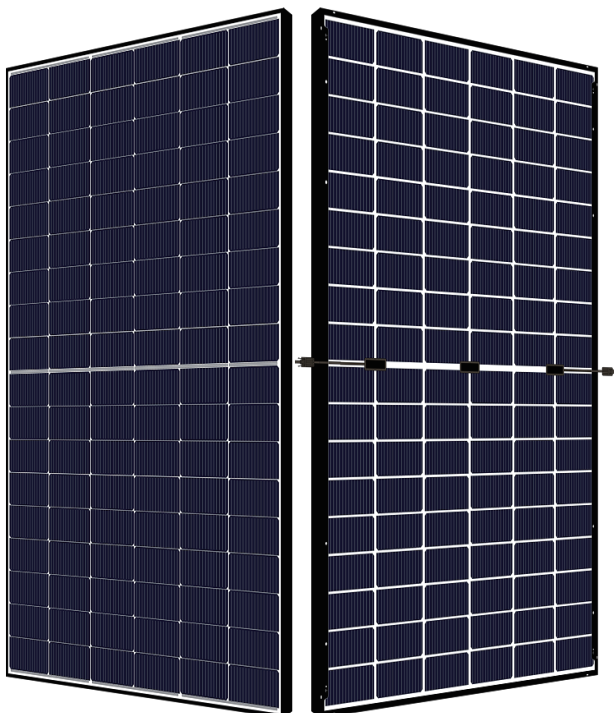
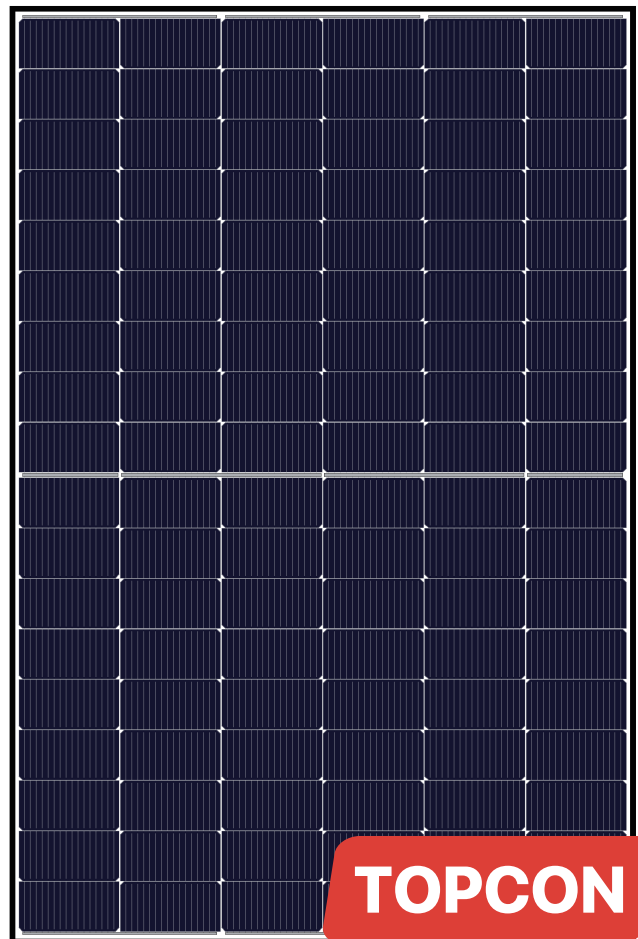
N-TOPCON MONOCRYSTALLINE MODULE

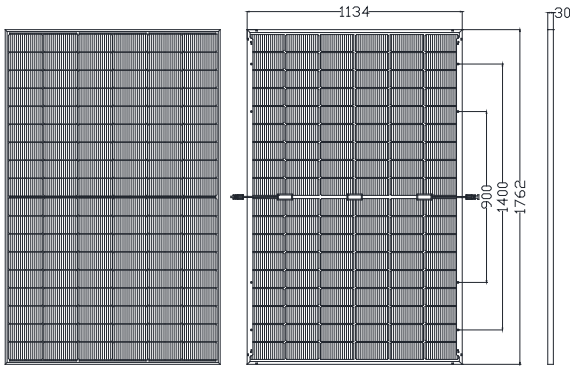
108 CELL

MAXIMUM EFFICIENCY

22.8%

LINEAR PERFORMANCE WARRANTY

**15 Year Product Warranty
30 Year Linear Power Warranty**Competitive Low Light
PerformanceReduced Power Loss by
Minimising the Effect of
Shadow ShadingHigh Density
EncapsulationMulti-Busbar
Technology2400pa Wind Load
5400pa Snow LoadReduced BOS &
Increased ROI**BRIGHT
SOLAR**

DIMENSIONS OF PV MODULE**STRUCTURAL CHARACTERISTICS**

Module Size	1762x1134x30mm
Weight	22kg
Cell	single crystal N-topcon 182x94mm(108pieces)
Glass	1.6mm/1.6mm
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-435TRG-108HC	TD-440TRG-108HC	TD-445TRG-108HC	TD-450TRG-108HC	TD-455TRG-108HC
Maximum Power (PMP)	STC	STC	STC	STC	STC
	435	440	445	450	455
Open Circuit Voltage (VOC)	38.70	38.90	39.10	39.30	39.50
Short Circuit Current (ISC)	14.23	14.31	14.40	14.48	14.56
Maximum Power Voltage (VMP)	32.29	32.47	32.65	32.82	33.00
Maximum Power Current (IMP)	13.47	13.55	13.63	13.71	13.79
Component Efficiency (η)	21.8	22.0	22.3	22.5	22.8
Power Tolerance	(0, +3%)				
Maximum System Voltage	1500V DC				
Maximum Rated Fuse Current	30A				
STC: Irradiance 1000 W/m² module temperature 25 °C AM=1.5					

TEMPERATURE CHARACTERISTICS

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

PACKING METHOD

Module Size	1762x1134x30mm
Container	40' HQ
Quantity Per Pallet	36
Number Of Pallets Per Container	26
Quantity Per Container	936

I-V Curve