



TOPCon

Anti-Dust



**JAPANESE
TECHNOLOGY**
認定された日本の技術と仕上がり



Global Patented Full Screen Technology, no dust or snow accumulation, increase power generation by 6-15%.



Higher power, longer service life
linear power warranty for 30 years.



Topcon cells have a lower decay rate ,
1% in the first year and 0.4% in the second
year.



Lower temperature coefficient, better high-
temperature resistance , reduced power loss,
and better high-temperature resistance.



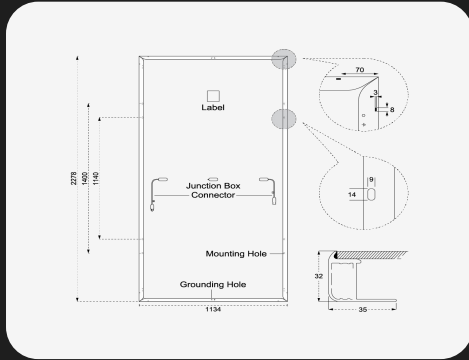
LECO laser assisted sintering technology,
reduces contact resistance and improves
efficiency by 0.2%-0.5%.



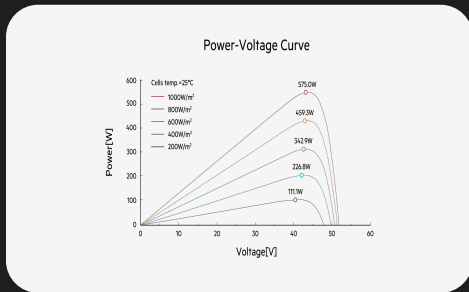
Rated Power
575W-590W



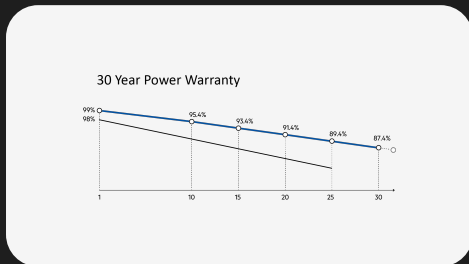
CROWN N-TYPE MONO BLUEPRINT



MAXIMUM POWER AND VOLTAGE CHARTS



POWER GUARANTEE FOR 30 YEARS



PACKING CONFIGURATION

Modules/Pallet	34 Pieces
Packing Description	34 Pallets, 680pcs/40HQ

TEMPERATURE CHARACTERISTICS

NMOT	41±3°C
Temp Coefficient of VOC	-0.25%/°C
Temp Coefficient of ISC	0.046%/°C
Temp Coefficient of Pmax	-0.29%/°C

ELECTRICAL PARAMETERS AT STC

Standard Test Environment, irradiance 1000 W/m², spectrum AM 1.5, cell temperature 25°C.

Power	575W	580W	585W	590W
Open Circuit Voltage	51.2V	51.4V	51.6V	51.8V
Short Circuit Current	14.08A	14.14A	14.20A	14.26A
Maximum Power Voltage	43.4V	43.6V	43.8V	44.0V
Maximum Power Current	13.25A	13.30A	13.36A	13.41A
Module Efficiency	22.26%	22.45%	22.65%	22.84%

ELECTRICAL PARAMETERS AT NMOT

Standard Test Environment, irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

Power	432W	436W	440W	444W
Open Circuit Voltage	48.6V	48.8V	49.0V	49.2V
Short Circuit Current	11.37A	11.42A	11.45A	11.51A
Maximum Power Voltage	41.2V	41.4V	41.6V	41.8V
Maximum Power Current	10.49A	10.53A	10.57A	10.61A

SPECIFICATIONS

Weight	26.9kg
Dimensions	2279mm*1134mm*32mm
Cell Dimensions	182*182mm
Cell Amount	144 (6×24)
Maximum System Voltage	1500V DC
Junctions Box	IP68, 3 Bypass Diodes
Application Level	Class A
Cable	4mm ² , N 1400mm/P 1400mm for Horizontal Installation 4mm ² , N 300mm/P 300mm for Vertical Installation
Connector	MC4 Compatible
Front glass	3.2mm High Transmission, Antireflection Coating
Back glass	2.0mm, Heat Strengthened Glass

MAXIMUM RATING

Output Tolerance	0~+5W
Operating Temperature	-40°C~+85°C
Wind Load/Snow Load	2400pa/5400pa

