



A GRADE 585W MONO BIFACIAL

MORE POWER

-  Module power up to 585 W
Module efficiency up to 21.7 %
-  Up to 3.5 % lower LCOE
Up to 5.7 % lower system cost
-  Comprehensive LID / LeTID mitigation technology, up to 50% lower degradation
-  Better shading tolerance

MORE RELIABLE

-  40 °C lower hot spot temperature, greatly reduce module failure rate
-  Minimizes micro-crack impacts
-  Heavy snow load up to 5400 Pa, wind load up to 2400 Pa*
-  Enhanced Product Warranty on Materials and Workmanship*
-  Linear Power Performance Warranty*

1st year power degradation no more than 2%

Subsequent annual power degradation no more than 0.55%

*According to the applicable Canadian Solar Limited Warranty Statement.

MANAGEMENT SYSTEM CERTIFICATES*

ISO 9001 :2015/Quality management system

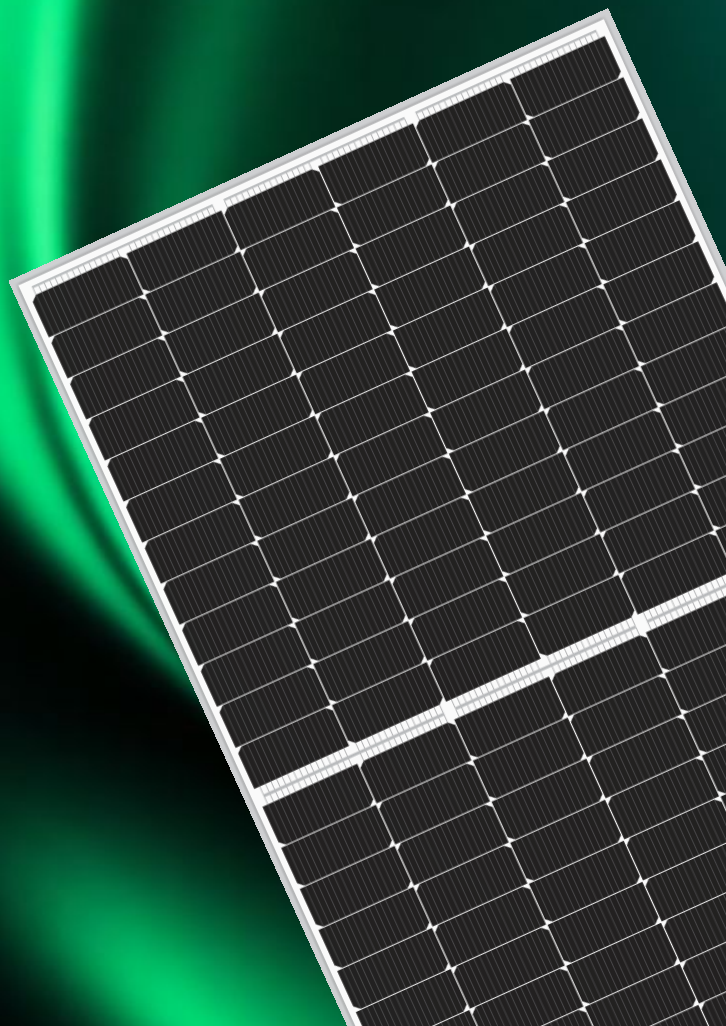
ISO 14001 :2015/Standards for environmental management system

ISO 45001 :2018 /International standards for occupational health & safety

IEC62941 :2019/Photovoltaic module manufacturing quality system



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MECHANICAL PARAMETERS

Model	585W
Weight	31.5kg±3%
Dimensions	2279mm*1134mm*30mm
Cell Amount	72*2 (144 pcs)
Maximum System Voltage	1500V
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm2/300mm
Connector	MC4 Compatible
Application Level	Grade A

Cell	585W N type mono
Solar Cells	144pcs (2*72)
Dimension	2279mm×1134×30mm
Weight	31.5kg±3%
Structure	2.0 glass + POE/EPE film + 2.0 glass
frame	Anodized - Aluminum alloy
Junction Box	IP68, 3*bypass diode
Cable Length (Including Connector)	4.0mm², (+) 300mm/ (-) 300mm (custom)
Connector	MC4/Compatible with MC4
Mechanical load	Front 5400Pa / Back 2400Pa (Maximum Static Load)

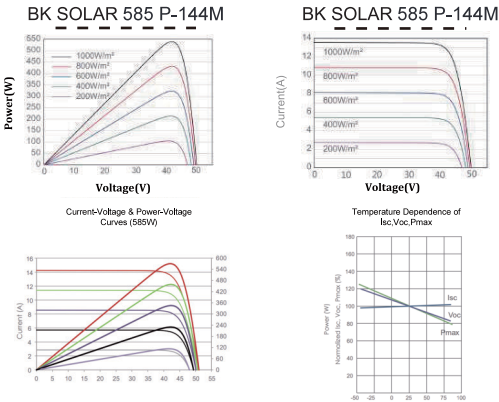
ELECTRICAL PARAMETERS AT STC

Module Type	BK SOLAR 585N-144M	BK SOLAR 585N-144M
Maximum Power (Pmax/W)	585	585
Module Efficiency (%)	22.64%	22.64%
Open Circuit Voltage (Voc/V)	51.54	51.54
Short Circuit Current (Isc/A)	14.43	14.43
Voltage at Max. Power (Vmp/V)	42.95	42.95
Current at Max. Power (Imp/A)	13.62	13.62
Power Tolerance	0~+3%	
STC : Irradiance 1000W/m ² Cell Temperature 25°C AM1.5		

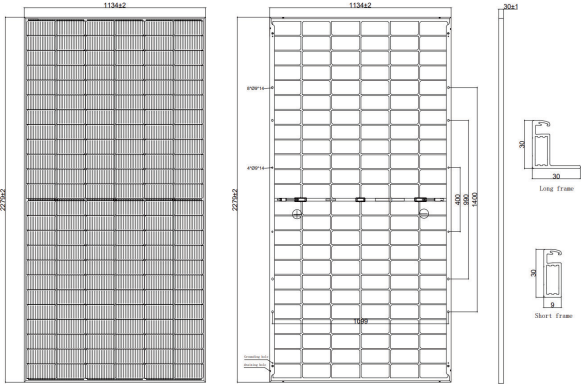
ELECTRICAL PARAMETERS AT NOCT

Module Type	BK SOLAR 585N-144M	BK SOLAR 585N-144M
Maximum Power (Pmax/W)	440	440
Open Circuit Voltage (Voc/V)	49.10	49.10
Short Circuit Current (Isc/A)	11.63	11.63
Voltage at Max. Power (Vmp/V)	40.65	40.65
Current at Max. Power (Imp/A)	10.95	10.95
NOCT : Irradiance 800W/m² Ambient Temperature 20°C Wind at 1m/S AM1.5		

CHARACTERISTICS



MECHANICAL DIAGRAMS



***Note:** Please read the safety and installation manual before using the product. We reserve the right of final interpretation. The specifications in this datasheet are subject to change without notice.