



BSP185-24

High Efficiency Monocrystalline Solar Module



Product Features



HIGH PTC Rating
Delivers More Power During Operation



Positive Power Tolerance
Delivers Up to +3% More Power Than Rating



Rigorous Quality Control Standards
TUV Certified ISO 9001, ISO 14001



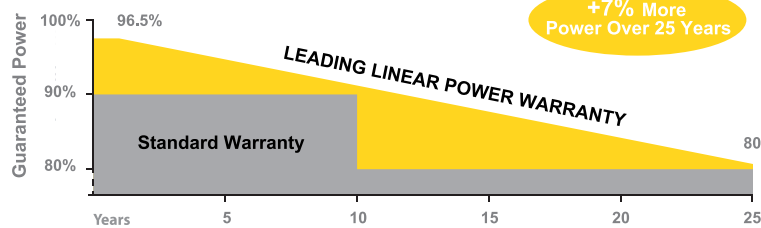
25 Year Power Insurance
Power and Product Warranty Backed by Zurich Insurance



Outstanding Low Light Performance
Over 95% Power under Weak Light (Cloudy, Morning, Evening)



Withstands High Wind and Snow Loads
Designed for 2400Pa Wind / 5400Pa Snow Loads



Certifications and Standards



Electrical Data @ STC	BSP185-24
Rated Maximum Power (W)	185
Power Output Tolerance-Pmax (%)	0/+3
Maximum Power Voltage (V)	35.59
Maximum Power Current (A)	5.262
Open Circuit Voltage (V)	44.29
Short Circuit Current (A)	5.696
Module Efficiency	14.49%

Standard Test Conditions (STC):
Air Mass 1.5, Irradiance 1000W/m², Cell Temperature 25 C

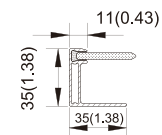
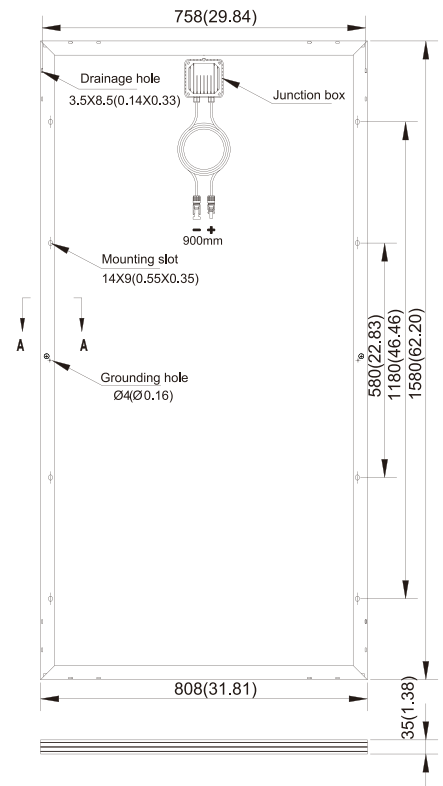
Electrical Data @ NOCT	BSP185-24
Maximum Power (W)	135.3
Maximum Power Voltage (V)	31.97
Maximum Power Current (A)	4.233
Open Circuit Voltage (V)	40.09
Short Circuit Current (A)	4.617

Nominal Operating Cell Temperature (NOCT):
Irradiance 800W/m², Ambient Temperature 20 C, Wind Speed 1 m/s

Temperature Ratings	
Nominal Operating Cell Temperature (NOCT)	43±2 C
Short-Circuit Current Coefficient (%/C)	0.06
Open-Circuit Voltage Coefficient (%/C)	-0.39
Peak Power Coefficient (%/C)	-0.44

Maximum Ratings	
Operational Temperature	-40~+85 C
Maximum System Voltage	1000V DC(IEC) 600V DC(UL)
Max Series Fuse Rating	10A

Note:mm(inch)



Mechanical Data

Solar Cells	Monocrystalline Silicon Solar Cell 125x125mm (6 in.)
Cell Orientation	72 (6x12)
Module Dimension	1580x808x35mm (62.20x31.81x1.38 in.)
Weight	15 kg (40.2 lb)
Glass	3.2mm (0.13 in.) Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP65
Cables/Connector	MC4 Compatible