

BP Solar BP5165L monocrystalline solar module

Electrical Characteristics:

STC Power Rating P_{mp} (W)	165
Open Circuit Voltage V_{oc} (V)	44.1
Short Circuit Current I_{sc} (A)	4.85
Voltage at Maximim Power V_{mp} (V)	36.0
Current at Maximim Power I_{mp} (A)	4.58
Panel Efficiency	13.3%
Fill Factor	77.1%
Power Tolerance	-3.00% ~ 3.00%
Maximum System Voltage V_{max} (V)	1000
Maximum Series Fuse Rating (A)	15

Temperature Coefficients

Temperature Coefficiency of I_{sc}	0.065 %/°C
Temperature Coefficiency of V_{oc}	-0.36 %/°C
Temperature Coefficiency of P_{mp}	-0.50 %/°C

Mechanical Characteristics

Cell Type	Monocrystalline Cell
Cell Size(mm)	125 × 125
Cells	6 × 12
Dimensions	1580.0 × 783.0 × 19.0mm (30.8 × 62.2 × 0.7 inch)
Weight	12.4Kg (27.3 lbs)
Junction Box (Safety Rating, Bypass Diodes)	
Positive Cable (Length, Cable Cross-Section)	
Negative Cable (Length, Cable Cross-Section)	
Plug Connector (Type, Safety)	
Front Cover (Thickness,Material)	
Backsheet Cover (Color, Thickness, Material)	
Encapsulation Materials	
Frame Material	Framed module with rugged clear-anodized frame;

Operation Conditions

Nominal Operating Cell Temperature (NOCT)	47.0°C
Operating Temperature	-40.0°C to 85.0°C
Maximum Load	5400
Hail Storm Rating	
Fire Safety Rating	Class C