

High-efficiency photovoltaic module using multicrystalline silicon cells.

Performance

Rated power (P_{max})	65W
Limited Warranty ¹	25 years

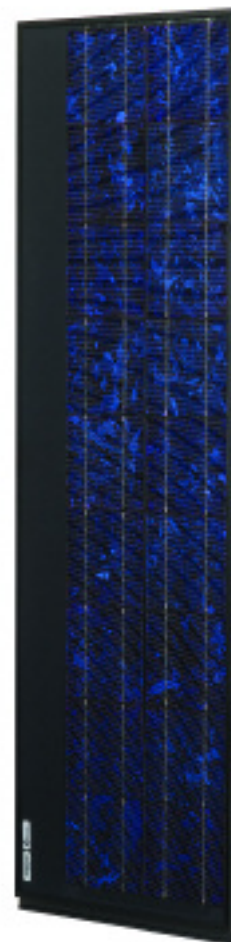
Configuration

BP 365TS	Module with low-profile interlocking, in-roof mounting framing system, concealed output cables, and polarized Multicontact (MC) connectors
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Electrical Characteristics²

BP 365TS

Maximum power (P_{max}) ³	65W
Voltage at P_{max} (V_{mp})	8.7V
Current at P_{max} (I_{mp})	7.5A
Warranted minimum P_{max}	58.5W
Short-circuit current (I_{sc})	8.1A
Open-circuit voltage (V_{oc})	11.0V
Temperature coefficient of I_{sc}	$(0.065 \pm 0.015)\%/^{\circ}\text{C}$
Temperature coefficient of V_{oc}	$-(40 \pm 10)\text{mV}/^{\circ}\text{C}$
Temperature coefficient of power	$-(0.5 \pm 0.05)\%/^{\circ}\text{C}$
NOCT (Air 20°C; Sun 0.8kW/m ² ; wind 1m/s)	47 ± 2°C
Maximum series fuse rating	15A (S, L)
Maximum system voltage	600V (U.S. NEC rating)



Mechanical Characteristics

Dimensions	Length: 1513mm (59.6")	Width: 456mm (18.0")	Depth: 43mm (1.7")
Weight	7.4 kg (16.4 pounds)		
Solar Cells	18 cells (156mm x 156mm) in a 2x9 matrix connected in series		
Output Cables	RHW AWG# 12 (3.3mm), cable with polarized weatherproof DC rated Multicontact connectors; asymmetrical lengths - 900mm (-) and 1300mm (+)		
Diodes	IntegraBus™ technology includes Schottky by-pass diodes integrated into the printed circuit board bus		
Construction	Front: High-transmission 3mm (1/8th in) tempered glass; Back: Tedlar; Encapsulant: EVA		
Frame	Epoxy coated aluminum alloy type 6063T6 frame		

1. Module warranty: 25-year limited warranty of 80% power output; 12-year limited warranty of 90% power output; 5-year limited warranty of materials and workmanship. See your local representative for full terms of these warranties.
2. This data represents the performance of typical BP 365TS products, and is based on measurements made in accordance with ASTM E1036 corrected to SRC (STC.)
3. During the stabilization process that occurs during the first few months of deployment, module power may decrease by up to 1% from typical P_{max} .

Quality and Safety

ESTI

Module power measurements calibrated to World Radiometric Reference through ESTI (European Solar Test Installation at Ispra, Italy)



Listed by Underwriter's Laboratories for electrical and fire safety (Class A fire rating when installed using approved underlayment)

Qualification Test Parameters

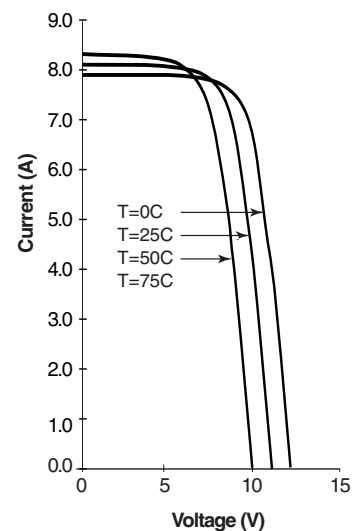
Temperature cycling range -40°C to +85°C (-40°F to 185°F)

Humidity freeze, damp heat 85% RH

Wind resistance 110mph per UL997

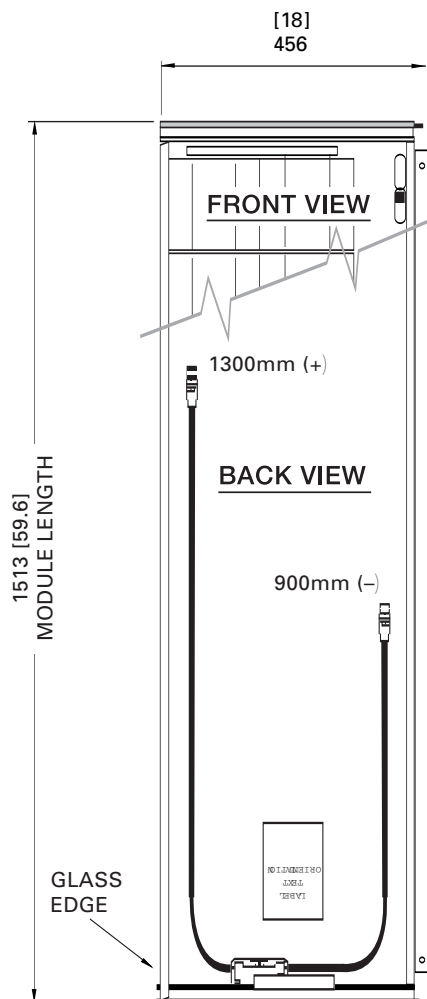
Fire resistance Class A per UL970 when installed per mfg. instructions

Hailstone impact 25mm (1 inch) at 23 m/s (52mph)



Module Diagram

Dimensions in brackets are in inches. Un-bracketed dimensions are in millimeters. Overall tolerances $\pm 3\text{mm}$ (1/8").



Instruction sheet and warranty document included with each module.

Note: This publication summarizes product warranty and specifications, which are subject to change without notice.

Additional information may be found on our web site: www.bpsolar.us

