

**High-efficiency photovoltaic module using silicon nitride multicrystalline silicon cells**
**Performance**

Rated power ( $P_{max}$ )	65W
Limited warranty <sup>1</sup>	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 characteristics<sup>2</sup>**
**BP 365TS**

Maximum power ( $P_{max}$ ) <sup>3</sup>	65W
Voltage at Pmax ( $V_{mp}$ )	8.7V
Current at Pmax ( $I_{mp}$ )	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±0.015)%/ °C
Temperature coefficient of $V_{oc}$	-(40±10)mV/°C
Temperature coefficient of power	-(0.5±0.05)%/ °C
NOCT (Air 20°C; Sun 0.8kW/m <sup>2</sup> ; 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 (157mm x 157mm) in a 2x9 matrix connected in series

Output cables                     RHW-2 AWG# 12 (3.3mm) cable with polarized weatherproof DC rated Multicontact connectors; asymmetrical lengths - 900mm (-) and 800mm (+)

Diodes                                **IntegraBus™** technology includes Schottky by-pass diodes integrated into the printed circuit board bus

Construction                      Front: High-transmission 3mm (1/8<sup>th</sup> inch) 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 represent the performance of typical BP 365TS products, and are 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 3% 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)



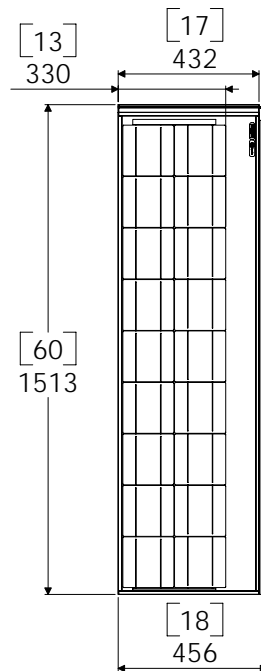
Listed by Underwriter's Laboratories for electrical and fire safety (Class A fire rating when installed using approved underlayment)

## Qualification Test Parameters

Temperature cycling range	-40°C to +85°C (-40°F to 185°F)
Humidity freeze, damp heat	85% RH
Wind resistance	110 mph 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](http://www.bpsolar.us)